

**BOYO<sup>®</sup> VISION**

**PRODUCTS  
2013**

**BOYO<sup>®</sup>**  
VISION

All-In-One Ultra Slim License Plate Camera with LED Lights

VTL405HDL



- Zinc Metal "All-In-One" Ultra Slim Chrome Bar-type License Plate Camera with LED lights
- 1.3 Megapixels CMOS sensor at 720(H)x480(V) Video out
- Parking Guide Line
- Support Horizontal Mirror On/Off
- Support PIP (2 section view/ top-view) On/Off
- Support Digital Zoom On/Off
- Support Defog On/Off
- Support Motion Detection On/Off
- White LED On/Off
- Auto ACCE (Adaptive Color & Contrast Enhancement)
- Noise Reduction
- Waterproof (IP67)
- 190 degree wide viewing angle
- 0 Lux at F2.0 (with White LED)
- DC 12V (Tolerance 7V~24V)
- Operating Temperature: -4 degree F ~ 122 degree F
- LDC (Lens Distortion Correction)
- Adjustable Parking Line
- Adjustable Rear View Modes
- LED License Plate Camera Design Patent Pending
- Viewing angle adjustable up & down

VTL425HDL

- Zinc Metal "All-In-One" Ultra Slim Black Bar-type License Plate Camera with LED lights
- 1.3 Megapixels CMOS sensor at 720(H)x480(V) Video out
- Parking Guide Line
- Support Horizontal Mirror On/Off
- Support PIP (2 section view/ top-view) On/Off
- Support Digital Zoom On/Off
- Support Defog On/Off
- Support Motion Detection On/Off
- White LED On/Off
- Auto ACCE (Adaptive Color & Contrast Enhancement)
- Noise Reduction
- Waterproof(IP67)
- 190 degree wide viewing angle
- 0 Lux at F2.0 (with White LED)
- DC 12V (Tolerance 7V~24V)
- Operating Temperature: -4 degree F ~ 122 degree F
- LDC (Lens Distortion Correction)
- Adjustable Parking Line
- Adjustable Rear View Modes
- LED License Plate Camera Design Patent Pending
- Viewing angle adjustable up & down



All-In-One Ultra Slim License Plate Camera with LED Lights

VTL275HDL



- Zinc Metal "All-In-One" Ultra Slim Chrome Full-Framed License Plate Camera with LED lights
- 1.3 Megapixels CMOS sensor at 720(H)x480(V) Video out
- Parking Guide Line
- Support Horizontal Mirror On/Off
- Support PIP (2 section view/ top-view) On/Off
- Support Digital Zoom On/Off
- Support Defog On/Off
- Support Motion Detection On/Off
- White LED On/Off
- Auto ACCE (Adaptive Color & Contrast Enhancement)
- Noise Reduction
- Waterproof (IP67)
- 190 degree wide viewing angle
- 0 Lux at F2.0 (with White LED)
- DC 12V (Tolerance 7V~24V)
- Operating Temperature: -4 degree F ~ 122 degree F
- LDC (Lens Distortion Correction)
- Adjustable Parking Line
- Adjustable Rear View Modes
- LED License Plate Camera Design Patent Pending
- Viewing angle adjustable up & down

VTL375HDL

- Zinc Metal "All-In-One" Ultra Slim Black Full-Framed License Plate Camera with LED lights
- 1.3 Megapixels CMOS sensor at 720(H)x480(V) Video out
- Parking Guide Line
- Support Horizontal Mirror On/Off
- Support PIP (2 section view/ top-view) On/Off
- Support Digital Zoom On/Off
- Support Defog On/Off
- Support Motion Detection On/Off
- White LED On/Off
- Auto ACCE (Adaptive Color & Contrast Enhancement)
- Noise Reduction
- Waterproof (IP67)
- 190 degree wide viewing angle
- 0 Lux at F2.0 (with White LED)
- DC 12V (Tolerance 7V~24V)
- Operating Temperature: -4 degree F ~ 122 degree F
- LDC (Lens Distortion Correction)
- Adjustable Parking Line
- Adjustable Rear View Modes
- LED License Plate Camera Design Patent Pending
- Viewing angle adjustable up & down



*License Plate Camera with white LED*

**VTL400CL (Chrome)**



- Zinc Metal Bartype License Plate camera with white LED
- High Sensitive CMOS PC3030 built-in
- Reverse / Non-Reverse View video switcher
- 3 Colors Distance Grid Line On/Off switcher
- LED Lights On/Off switcher
- 0.3 Mega Pixels
- 170 degree wide viewing angle
- Waterproof (IP67)
- 420TVL Horizontal Resolution
- Power source 12V DC
- Viewing angle adjustable up and down
- U.S. Patent: 7,195,405
- LED License Plate Camera Design Patent Pending

**VTL420CL (Black)**

- Zinc Metal Bartype License Plate camera with white LED
- High Sensitive CMOS PC3030 built-in
- Reverse / Non-Reverse View video switcher
- 3 Colors Distance Grid Line On/Off switcher
- LED Lights On/Off switcher
- 0.3 Mega Pixels
- 170 degree wide viewing angle
- Waterproof (IP67)
- 420TVL Horizontal Resolution
- Power source 12V DC
- Viewing angle adjustable up and down
- U.S. Patent: 7,195,405
- LED License Plate Camera Design Patent Pending



*License Plate Camera with white LED*

**VTL200CL (Chrome)**



- Zinc Metal Full-Framed License Plate camera with white LED
- High Sensitive CMOS PC3030 built-in
- Reverse / Non-Reverse View video switcher
- 3 Colors Distance Grid Line On/Off switcher
- LED Lights On/Off switcher
- 0.3 Mega Pixels
- 170 degree wide viewing angle
- Waterproof (IP67)
- 420TVL Horizontal Resolution
- Power source 12V DC
- Viewing angle adjustable up and down
- U.S. Patent: 7,195,405
- LED License Plate Camera Design Patent Pending

**VTL300CL (Black)**

- Zinc Metal Full-Framed License Plate camera with white LED
- High Sensitive CMOS PC3030 built-in
- Reverse / Non-Reverse View video switcher
- 3 Colors Distance Grid Line On/Off switcher
- LED Lights On/Off switcher
- 0.3 Mega Pixels
- 170 degree wide viewing angle
- Waterproof (IP67)
- 420TVL Horizontal Resolution
- Power source 12V DC
- Viewing angle adjustable up and down
- U.S. Patent: 7,195,405
- LED License Plate Camera Design Patent Pending



## License Plate Camera with LED Lights

### VTL402CL (Chrome)



- Zinc Metal Bartype License Plate camera with LED Lights
- High Sensitive CMOS PC3030 built-in
- Reverse / Non-Reverse View video switcher
- 3 Colors Distance Grid Line On/Off switcher
- LED Lights On/Off switcher
- 0.3 Mega Pixels
- 170 degree wide viewing angle
- Waterproof (IP67)
- 420TVL Horizontal Resolution
- Power source 12V DC
- Viewing angle adjustable up and down
- U.S. Patent: 7,195,405
- LED License Plate Camera Design Patent Pending
- Super sensitive low lux image (Excellent Night Vision)

### VTL422CL (Black)

- Zinc Metal Bartype License Plate camera with LED Lights
- High Sensitive CMOS PC3030 built-in
- Reverse / Non-Reverse View video switcher
- 3 Colors Distance Grid Line On/Off switcher
- LED Lights On/Off switcher
- 0.3 Mega Pixels
- 170 degree wide viewing angle
- Waterproof (IP67)
- 420TVL Horizontal Resolution
- Power source 12V DC
- Viewing angle adjustable up and down
- U.S. Patent: 7,195,405
- LED License Plate Camera Design Patent Pending
- Super sensitive low lux image (Excellent Night Vision)



## HD Super Slim License Plate Camera

### VTL405HD



- Ultra Slim Chrome Zinc Metal Bartype HD License Plate Camera
- 1/4" SONY SuperHADII CCD
- Effective Pixels/ Number of Pixels: NTSC 768(H) x 494(V) / 380K
- Minimum Illumination: 0.1 Lux at F2.0
- Waterproof (IP67)
- 175° wide viewing angle
- Power Source: Car Electric Source DC12V (Tolerance: 7V-24V)
- Built-in Transient Impulse Protection Circuit
- Reverse/ Non-Reverse Switch Option with adaptor cable. Part No. VTL405-001
- Viewing angle is adjustable up and down
- Excellent Auto White Balance
- U.S. Design Patent: D596545

### VTL425HD

- Ultra Slim Black Zinc Metal Bartype HD License Plate Camera
- 1/4" SONY SuperHADII CCD
- Effective Pixels/ Number of Pixels: NTSC 768(H) x 494(V) / 380K
- Minimum Illumination: 0.1 Lux at F2.0
- Waterproof (IP67)
- 175° wide viewing angle
- Power Source: Car Electric Source DC12V (Tolerance: 7V-24V)
- Built-in Transient Impulse Protection Circuit
- Reverse/ Non-Reverse Switch Option with adaptor cable. Part No. VTL405-001
- Viewing angle is adjustable up and down
- Excellent Auto White Balance
- U.S. Design Patent: D596545



**HD Super Slim License Plate Camera**

**VTL275HD**



- Ultra Slim Chrome Zinc Metal Full-Framed HD License Plate Camera
- 1/4" SONY SuperHADII CCD
- Effective Pixels/ Number of Pixels: NTSC 768(H) x 494(V) / 380K
- Minimum Illumination: 0.1 Lux at F2.0
- Waterproof (IP67)
- 175° wide viewing angle
- Power Source: Car Electric Source DC12V (Tolerance: 7V-24V)
- Built-in Transient Impulse Protection Circuit
- Reverse/ Non-Reverse Switch Option with adaptor cable. Part No. VTL405-001
- Viewing angle is adjustable up and down
- Detachable Frame
- Excellent Auto White Balance

**VTL375HD**

- Ultra Slim Black Zinc Metal Full-Framed HD License Plate Camera
- 1/4" SONY SuperHADII CCD
- Effective Pixels/ Number of Pixels: NTSC 768(H) x 494(V) / 380K
- Minimum Illumination: 0.1 Lux at F2.0
- Waterproof (IP67)
- 175° wide viewing angle
- Power Source: Car Electric Source DC12V (Tolerance: 7V-24V)
- Built-in Transient Impulse Protection Circuit
- Reverse/ Non-Reverse Switch Option with adaptor cable. Part No. VTL405-001
- Viewing angle is adjustable up and down
- Detachable Frame
- Excellent Auto White Balance



**HD Super Slim License Plate Camera**

**VTL402HD**



- Chrome Zinc Metal Bar-Type
- High Sensitive 1/4" DSP Color HD CCD Built-in
- 540 TVL Horizontal Resolution
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Reverse/ Non-Reverse Image switching feature
- Distance Grid on/off switching feature
- 175° wide viewing angle
- Effective Pixels: 680x512
- Power source: DC12V

**VTL422HD**

- Black Zinc Metal Bar-Type
- High Sensitive 1/4" DSP Color HD CCD Built-in
- 540 TVL Horizontal Resolution
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Reverse/ Non-Reverse Image switching feature
- Distance Grid on/off switching feature
- 175° wide viewing angle
- Effective Pixels: 680x512
- Power source: DC12V



## Super Slim License Plate Camera

### VTL275

Chrome Silver, Zinc Metal



- Ultra Slim License Plate Camera
- 175° Wide Angle / 1.56mm Board Lens
- Reverse Image
- High Sensitive 1/4" DSP Color CCD Built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable Power Control
- Built-in Transient Impulse Protection Circuit
- Power Source: 12V DC (Tolerance: 7V ~ 24V)
- Operating Temperature: -4°F ~ 122°F
- Up to 90% RH (Non-Condensing)
- Remarkable True Color Reproduction
- Remarkable Low Lux Performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: D596545
- Reverse / Non-Reverse Switch Option with adaptor cable Part No.: VTL405-001
- Detachable Frame

### VTL375

Black, Zinc Metal

- Ultra Slim License Plate Camera
- 175° Wide Angle / 1.56mm Board Lens
- Reverse Image
- High Sensitive 1/4" DSP Color CCD Built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable Power Control
- Power Source: 12V DC(Tolerance: 7V ~ 24V)
- Built-in transient impulse protection circuit
- Operating Temperature: -4°F ~ 122°F
- Up to 90% RH (Non-Condensing)
- Remarkable True Color Reproduction
- Remarkable Low Lux Performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing Angle is Adjustable Up and Down
- U.S. Patent: D596545
- Reverse / Non-Reverse Switch Option with adaptor cable Part No.: VTL405-001
- Detachable Frame



## Super Slim License Plate Camera

### VTL405

Chrome Silver, Zinc Metal



- Ultra Slim Bar Type License Plate Camera
- 175° Wide Angle / 1.56mm Board Lens
- Reverse Image
- High Sensitive 1/4" DSP Color CCD Built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable Power Control
- Power Source: 12V DC (Tolerance: 7V ~ 24V)
- Built-in Transient Impulse Protection Circuit
- Operating Temperature: -4°F ~ 122°F
- Up to 90% RH (Non-Condensing)
- Remarkable True Color Reproduction
- Remarkable Low Lux Performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing Angle is Adjustable Up and Down
- U.S. Patent: D596545
- Reverse / Non-Reverse Switch Option With adaptor cable Part No.: VTL405-001

### VTL425

Black, Zinc Metal

- Ultra Slim Bar Type License Plate Camera
- 175° Wide Angle / 1.56mm Board Lens
- Reverse Image
- High Sensitive 1/4" DSP Color CCD Built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable Power Control
- Power Source: 12V DC (Tolerance: 7V ~ 24V)
- Built-in Transient Impulse Protection Circuit
- Operating Temperature: -4°F ~ 122°F
- Up to 90% RH (Non-Condensing)
- Remarkable True Color Reproduction
- Remarkable Low Lux Performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing Angle is Adjustable Up and Down
- U.S. Patent: D596545
- Reverse / Non-Reverse Switch Option With adaptor cable Part No.: VTL405-001



## License Plate CCD Camera

### VTL400

Chrome, Metal



- Bar Type License Plate Camera
- 130° wide viewing angle / 1.43mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CCD built-in
- 420 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Power Source: 12V DC
- Operating temperature: -4°F ~ 122°F
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405

### VTL420

Black, Metal

- Bar Type License Plate Camera
- 130° wide viewing angle / 1.43mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CCD built-in
- 420 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Power Source: 12V DC
- Operating temperature: -4°F ~ 122°F
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405



## License Plate CMOS Camera

### VTL400C

Chrome, Metal



- Bar Type License Plate Camera
- 170° wide viewing angle / 1.4mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Power Source: 12V DC
- Operating temperature: -4°F ~ 122°F
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405
- Reverse / Non-Reverse Switch

### VTL402C

Chrome, Metal

- Bar Type License Plate Camera
- 150° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 420 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color camera
- Power Source: 12V DC
- Operating temperature: -4° F ~ 122° F
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405



License Plate CMOS Camera

**VTL420C**

Black, Metal



- Bar Type License Plate Camera
- 170° wide viewing angle / 1.4mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Power Source: 12V DC
- Operating temperature: -4°F ~ 122°F
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405
- Reverse / Non-Reverse Switch
- Distance Grid on/off Switch

**VTL422C**

Black, Metal

- Bar Type License Plate Camera
- 150° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 420 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color camera
- Power Source: 12V DC
- Operating temperature: -4° F ~ 122° F
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405



License Plate CMOS Camera

**VTL200CIR**

Chrome, Metal



- Night Vision Zinc Metal License Plate Camera
- 6 Infrared LEDs
- 140° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- Power Source: 12V DC
- Operating temperature: -4° F ~ 122° F
- Remarkable True Color reproduction
- Remarkable day/night performance of 0Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405
- IR Distance : 19ft

**VTL300CIR**

Black, Metal

- Night Vision Zinc Metal License Plate Camera
- 6 Infrared LEDs
- 140° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- Power Source: 12V DC
- Operating temperature: -4° F ~ 122° F
- Remarkable True Color reproduction
- Remarkable day/night performance of 0Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405
- IR Distance : 19ft





## License Plate CMOS Camera

### VTL200C

Chrome, Metal



- Full Frame CMOS Chrome Zinc Metal License Plate Camera
- 140° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- Power Source: 12V DC
- Operating temperature: -4° F ~ 122° F
- Remarkable True Color reproduction
- Remarkable day/night performance of 0.5Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)
- Viewing angle is adjustable up and down
- U.S. Patent: 7,195,405

### VTL300C

Black, Metal

Full Frame CMOS Black Zinc Metal License Plate Camera

140° wide viewing angle

Reverse Image

High sensitive 1/4" DSP Color CMOS built-in

380 TVL Horizontal Resolution

Power Source: 12V DC

Operating temperature: -4° F ~ 122° F

Remarkable True Color reproduction

Remarkable day/night performance of 0.5Lux at F2.0

Excellent Auto White Balance

Waterproof (IP67)

Viewing angle is adjustable up and down

U.S. Patent: 7,195,405



## Rear View Camera

### VTB123HD



- 1/4" High Definition Color CMOS
- NTSC/PAL
- Effective Pixels: 720(H) x 480(V)
- 480TVL
- Min. Illumination: 0.2 Lux
- Viewing Angle: 170 degree (D)
- Waterproof IP67
- Distance Grid for Rear View Camera use
- Can be used as Side View Camera

### VTB16B

- Two way mounting
- Bracket and keyhole type mounting included.
- 1/3" color CMOS, Pixels: 512 x 582
- 420 TVL, 170 degree wide viewing angle
- Minimum Illumination: 1 lux
- DC12V



## Rear View Camera

**VTL400SR** (Chrome)

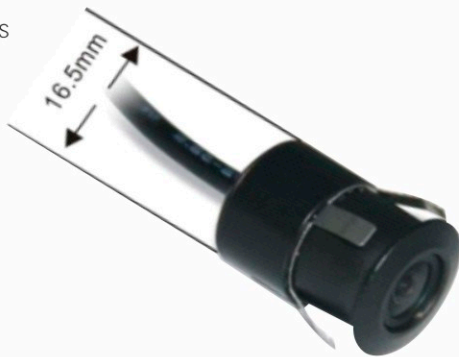
**VTL420SR** (Black)



- Night Vision HD CCD Bar-Type License Plate Camera with 2 Parking Sensors
- Effective Pixels: 680 x 512
- 540 TVL horizontal resolution
- Waterproof IP67
- 1.3mm lens, 175 degrees viewing angle
- Adjustable up and down
- Auto white balance
- Reverse/Non-Reverse image switching feature
- Night Vision
- Distance grid can be turned on and off.

## VTK302N

- Front Viewing Camera
- PC1030 Chip
- Front Camera
- Image sensor: 1/3" color CMOS
- Total Pixels: 648x488
- 420TVL
- 120 degree viewing angle
- Min. Illumination: 0.1 Lux
- Power supply: DC 12V



## Rear View Camera

### VTK210C



- 1/3" Color CMOS
- Total Pixels: 720 x 480
- 420 TVL
- 170 degree viewing angle
- Min. Illumination: 0.1 Lux
- Power supply: DC 12V
- MT136 Chip

### VTK-Mini

- 1/4" Color CCD
- NTSC/PAL
- Effective Pixels: 680(H) x 512 (V)
- 540 TVL
- 0.5 lux at F2.0
- Waterproof IP67
- DC12V
- 178 degree viewing angle



## Rear View Camera

### VTK360



- CMOS camera (MT136), Rotation Ball-type camera
- 420 TVL
- NTSC
- 628x582 pixels
- Min. Illumination: 0 lux
- Waterproof (IP67)
- DC12V
- 170 degree viewing angle

### VTB100MT

- 1/3" CCD (SHARP) color Motorized Tilt Camera
- Waterproof IP69K
- 3 status set: rear viewing (90 and 45 degrees) & protection
- Wide sunvisor
- Day/ Night sensor for automatic adjustment
- NTSC/PAL
- Nightvision Distance: 10m (12 infrared lights)
- 120 degree viewing angle
- Effective Pixels: 512 x 582



## Rear View Camera

### VTB100



- Color Square Camera with Bracket
- 130° wide viewing angle / 2.9mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CCD built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable power control
- Power Source: 12V DC (Tolerance: 8V ~ 12V)
- Built-in transient impulse protection circuit
- Operating temperature: -4°F ~ 122°F
- Up to 90% RH (non-condensing)
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)

### VTB170

- Small Bracket Type CMOS Camera
- 170° wide viewing angle
- Reverse Image
- High sensitive 1/4" Color CMOS Lens
- 380 TVL Horizontal Resolution
- Effective Pixels of 656 x 492
- Power Source: 12V DC +/-10%
- Operating temperature: -4°F ~ 122°F
- Up to 90% RH (non-condensing)
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Waterproof (IP67)



## Rear View Camera

### VTB201



- Bracket camera with built-in mic and night vision
- Weatherproof and Water Resistant
- Image Device: 1/3" SHARP CCD
- Mirror/ Normal image switch
- 360° adjustable mounting Angle
- Integrated microphone
- Minimum Illumination: 0 Lux (Infrared lamps on)
- Nightvision distance: approx 26ft (6 infrared LEDs)
- Wider viewing angle up to 120°
- Day/ Night sensor for automatic adjustment

### VTB301

- Bracket camera with built-in mic and night vision
- 120° wide viewing angle
- Reverse image and Non-Reverse image switch built-in
- High sensitive 1/3" DSP Color CCD built-in
- 420 TVL Horizontal Resolution
- Reliable power control
- Power Source: 12V DC
- Operating temperature: -4°F ~ 158°F
- Up to 95% RH (non-condensing)
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.0 Lux
- Excellent Auto White Balance
- Waterproof (IP67)
- IR Distance: 32ft



## Rear View Camera

### VTE100



- Color Square Camera with Eggshell Housing
- 130° wide viewing angle / 2.9mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CCD built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable power control
- Power Source: 12V DC (Tolerance: 8V ~ 20V)
- Built-in transient impulse protection circuit
- Operating temperature: -4°F ~ 122°F
- Up to 90% RH (non-condensing)
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)

### VTK100

- Color Square Camera Keyhole Type
- 130° wide viewing angle / 2.9mm Pinhole Lens
- Reverse Image
- High sensitive 1/4" DSP Color CCD built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable power control
- Power Source: 12V DC (Tolerance: 8V ~ 20V)
- Built-in transient impulse protection circuit
- Operating temperature: -4°F ~ 122°F
- Up to 90% RH (non-condensing)
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)



Rear View Camera

VTK100N



- Color Square Camera Keyhole Type
- 130° wide viewing angle / 2.9mm Pinhole Lens
- Non-Reverse Image
- High sensitive 1/4" DSP Color CCD built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable power control
- Power Source: 12V DC (Tolerance: 8V ~ 20V)
- Built-in transient impulse protection circuit
- Operating temperature: -4°F ~ 122°F
- Up to 90% RH (non-condensing)
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.3 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)

VTK301

- Key Hole Camera
- 170° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- Power Source: 12V DC
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)



Rear View Camera

VTK350



- Key Hole Camera with Night Vision
- 120° wide viewing angle
- Reverse Image
- High sensitive 1/4" DSP Color CMOS built-in
- 380 TVL Horizontal Resolution
- At least 5 times brighter than ordinary color cameras
- Reliable power control
- Power Source: 12V DC (Tolerance: +/- 10%)
- Operating temperature: -4°F ~ 140°F, RH95% Max
- Remarkable True Color reproduction
- Remarkable low Lux performance of 0.5 Lux at F2.0
- Excellent Auto White Balance
- Waterproof (IP67)

VTB180C

- Small Bracket Type CMOS Camera
- 170° wide viewing angle
- Reverse Image
- High sensitive 1/4" Color CMOS Lens
- 400 TVL Horizontal Resolution
- Effective Pixels of 640 x 480
- Power Source: 12V DC +/- 10%
- Operating temperature: -4° F ~ 122° F
- Auto White Balance
- Remarkable low Lux performance of 0.2 Lux at F2.0
- Waterproof (IP68)
- Reverse and non-reverse switch



Rear View Camera

VTK220DL



- 1/4" MT136 color CMOS
- License Plate Hole Camera with white LED lights
- Waterproof IP67
- 480 TVL Horizontal Resolution
- 170 degree wide viewing angle
- LED lights on/off
- Reverse / Non-Reverse view on/off
- Distance Grid Line on/off
- Total pixels: 720(H) x 480(V)
- Min. Illumination 0.1 Lux (0 lux with LED on)
- Power source: DC 12V
- Excellent Night Vision
- LED Camera Design Patent Pending

VTK370DL

- Rear / Side view camera with white LED blinkers
- Low Lux performance: 0.2 Lux
- 1/4" Color High Definition MT136 CMOS
- NTSC
- Effective Pixels: 720(H) x 480(V)
- Waterproof IP67
- Resolution 480 TVL
- Power supply: 6V~15V
- Operating Temperature : -20 degree C ~65 degree C
- 170 degree wide viewing angle
- Distance grid line for rear view (option)



Rear View Camera

VTB662L



- Universal bracket type rear view camera with white LED
- High Sensitive CMOS PC1030 sensor
- NTSC
- Effective Pixel: 658 x 462 pixels
- High resolution: 420 TVL
- 170 degree wide viewing angle
- Waterproof IP67
- Excellent Night Vision
- Minimum Illumination: 0.2 lux ( 0 lux with LED on)
- Power supply: 12V DC
- Operating Temperature: -20 degree C ~ 60 degree C

Vehicle Specific Camera

VTS-BP11

- For Buick Parkavenue
- Waterproof (IP67), 170 degree viewing angle
- CMOS, OV7950, NTSC
- Effective Pixels: 510 x 492, 0.2 Lux at F1.2
- Power: DC12V



Vehicle Specific Camera

VTS-HS09



- For Hyundai Sonata 2009
- Waterproof (IP67), 170 degree viewing angle
- CMOS, OV7950, NTSC
- Effective Pixels: 510 x 492, 0.2 Lux at F1.2
- Power: DC12V

VTS-OA11

- For Honda Accord 2011
- Waterproof (IP67), 170 degree viewing angle
- CMOS, OV7950, NTSC
- Effective Pixels: 510 x 492, 0.2 Lux at F1.2
- Power: DC12V



Vehicle Specific Camera

VTS-OC09



- For Honda CR-V 2009
- Waterproof (IP67), 170 degree viewing angle
- CMOS, OV7950, NTSC
- Effective Pixels: 510 x 492, 0.2 Lux at F1.2
- Power: DC12V

VTS-TC09

- For Toyota Camry 2009
- Waterproof (IP67), 170 degree viewing angle
- CMOS, OV7950, NTSC
- Effective Pixels: 510 x 492, 0.2 Lux at F1.2
- Power: DC12V



Vehicle Specific Camera

VTS-TR10



- For Toyota Corolla 2010
  - Waterproof (IP67), 170 degree viewing angle
  - CMOS, OV7950, NTSC
  - Effective Pixels: 510 x 492, 0.2 Lux at F1.2
- Power: DC12V

Transportation Camera

VTB500A



- Night Vision Bracket Mount Type Camera with Built-in mic
- 1/3" Super Sensitive Color CCD Sensor
- High Resolution of 520TVL (DAY) / 540TVL (Night)
- 15M IR Beam Distance
- Vibration Free
- Camera angle adjustable (Max. 30 degree)
- Mirror image on/off by external switch
- Audio with C-MIC
- Use for Inside Trailers, Buses, Trucks, RV

Transportation Camera

VTB500

- Night Vision Bracket Mount Type Camera
- 1/3" Super Sensitive Color CCD Sensor
- High Resolution of 520TVL (DAY) / 540TVL (Night)
- 15M IR Beam Distance
- Vibration Free/ IP67 Waterproof
- Camera angle adjustable (Max. 30 degree)
- Mirror image on/off by external switch



Rear View Mirror with LCD Monitor

VTB43M

- 4.3" Digital Monitor Built-In
- Includes Universal Fixed Mounting Bracket
- 2 Video Inputs
- Touch Button Control
- Built-in Bluetooth
- Compatible with Smartphones
- Caller ID Display
- Auto-Pairing
- External Microphone
- Auto Reverse Video Switch for Parking
- Slim and OEM style design





## Rear View Mirror with LCD Monitor

### VTB44M

- 4.3" Digital TFT LCD Monitor, 4:3 aspect ratio, 320 x 240 pixels
- Dual Mounting Solution (Clip-on and Replace Mounting bracket)
- 2 Video input, Distance Grid line



### VTB45M

- 4.3" Digital TFT LCD Monitor, 4:3 aspect ratio, 320 x 240 pixels
- Dual Mounting Solution (Clip-on and Replace Mounting bracket)
- 2 Video input, Distance Grid line
- Bluetooth, Compass, External Temperature



## Rear View Mirror with LCD Monitor

### VTG43

- 4.3" Touch LCD Rear View Mirror Monitor with Navigation
- Replacement or clips on existing rear view mirror
- 3 Video Inputs
- Samsung S3C2440 400MHz CPU
- High Sensitivity GPS Receiver for Navigation
- Embedded 4.3" LCD Display with Touch Screen
- Built-in Bluetooth for Handsfree Calling
- Built-in FM Transmitter
- Built-in Microphone and speakers
- Support PAL/NTSC Signal Input
- 11 Million POI
- Multiple Language support



### VTM600M

- 6" TFT LCD Clip-on Mirror Monitor
- Automatic Reverse Trigger
- 2 Video Inputs
- Resolution: 400(H) x 234(V)
- Dimensions in mm: 175(W) x 126(H) x 23(D)
- Supply Voltage: 12V DC
- Brightness / Color / Contrast controls
- Video System: NTSC / PAL
- Remote Control
- Clips onto existing standard rear view mirror



## Rear View Mirror with LCD Monitor

### VTB44MC

- VTB16B + VTB44M Combo
- Complete Combo Kit for Back up camera system
- Two way mounting camera (Bracket and Keyhole mounting kit included)
- 4.3 inch Digital TFT Screen
- Aspect Ratio: 4:3
- Resolution: 320xRGBx240 Pixels
- Replacement Mirror or Clip-on
- Two Video Inputs



### VTB45MC

- VTB16B + VTB45M Combo
- Complete Combo Kit for Back up camera system
- Two way mounting camera (Bracket and Keyhole mounting kit included)
- 4.3 inch Digital TFT Screen
- Compass
- External Temperature
- Bluetooth Handsfree (Bluetooth Streaming)
- Phonebook Sync.
- iPhone compatible
- FM Transmitter and Built-in Speaker/ Mic.
- Aspect Ratio: 4:3
- Resolution: 480 x 272 Pixels
- Replacement Mirror or Clip-on
- Two Video Inputs for Back-up camera



## Rear View Mirror with LCD Monitor

### VTG50

- 5" Mirror monitor with GPS Navigation
- Compass, External Temperature
- Bluetooth Handsfree
- Phonebook Streaming
- Compatible with smartphones
- 2 video inputs (Auto Reverse Video Trigger)
- FM Transmitter
- Built-in Speaker and Mic
- Auto-Run
- Photo Viewer
- Touch Screen
- Manual on/off switch for display
- Movie Player, Music Player, E-Book, Clip-on and Hard-mount
- SD Card Slot
- Resolution: 800(H)\*RGB\*480
- Extra transmittance glass
- Special bracket replace the original mirror or clip on the mirror



### VTB50M

- 5" Mirror monitor
- Compass, External Temperature Gauge
- Bluetooth Handsfree
- Phonebook Streaming
- Compatible with smartphones
- 2 video inputs (Auto Reverse Video Trigger)
- FM Transmitter
- Built-in Speaker and Mic
- Photo Viewer
- Touch Screen
- Movie Player, Music Player, E-Book, Clip-on and Hard-mount
- SD Card Slot
- Resolution: 800(H)\*RGB\*480
- Extra transmittance glass
- Special bracket replace the original mirror or clip on the mirror



## Marine Camera

### VTB301MA



- White Marine Bracket Camera with Built-in Mic and Night Vision
- Weatherproof and Water Resistant (IP67)
- Image Device: 1/3" SHARP CCD
- Mirror and Normal image switch available
- 360 degree adjustable mounting angle
- Integrated microphone
- Min. Illumination: 0 lux (w/ IR on)
- Nightvision Distance: Approx. 32ft
- Wider viewing angle up to 120 degree
- Day/Night sensor for automatic adjustment
- 420 TVL Horizontal Resolution

### VTD300MA

- SONY CCD Camera with Audio, Reverse/ Non-Reverse Image, White Color Housing, 480 TVL
- Effective Pixels: 628 x 582
- 0.3 Lux
- Waterproof IP68
- 120 degree viewing angle



## Wireless Camera and Monitor Combination

### VTX3600



- 3.6 inch Wireless Digital Rear View Monitor + Wireless Transmitter box for Rear View Camera
- Compatible with Universal Cameras
- Noise Free Wireless System
- New Digital Wireless Technology
- Easy Installation, Wiring Free
- Power Source 12 VDC
- Effective Pixels: 320 x 240
- Frame rate: 30fps
- Video Resolution: VGA
- NTSC
- Operation Temperature: -10 degree C ~ 50 degree C
- Far exceeds any analog wireless system
- Designed to fit all cars, SUVs, Trucks and RVs

### VTC370R

- 7 inch Wireless Digital Rear View Monitor + Wireless Heavy Duty Bracket Type Rear View Camera
- Noise Free Wireless System
- New Digital Wireless Technology
- Easy Installation, Wiring Free
- Power Source 12 VDC, 24 VDC
- Video Resolution: VGA
- Waterproof Camera IP67
- 130 degree wide viewing angle for camera
- Reverse and Non-Reverse video switch for camera
- IR built-in for excellent night vision
- NTSC
- Operation Temperature: -10 degree C ~ 50 degree C
- Far exceeds any analog wireless system
- Designed to fit all cars, SUVs, Trucks and RVs
- Wireless Frequency: 2.4Ghz /2400 MHz~2483.5MHz
- Transmitting Power: 15dBm@ Max Power
- Signal Coverage Area: 50M (164ft)
- Video Transmit. Type: 100% private digital wireless transmission
- Video Transmit. Pixel: VGA
- 4 CH Video/ Audio Transmission



## Wireless Camera and Monitor Combination

### VTC422R



- 4.3inch Wireless Digital Rear View Monitor + Wireless VTL422C
- Noise Free Wireless System
- New Digital Wireless Technology
- Easy Installation, Wiring Free
- Power Source 12 VDC
- Video Resolution: VGA
- Waterproof Camera IP67
- 150 degree wide viewing angle for camera
- NTSC
- Far exceeds any analog wireless system
- Designed to fit all cars, SUVs, Trucks and RVs
- Wireless Frequency: 2.4Ghz /2400 MHz~2483.5MHz
- Transmitting Power: 15dBm@ Max Power
- Signal Coverage Area: 50M (164ft)
- Video Transmit. Type: 100% private digital wireless transmission
- Video Transmit. Pixel: VGA
- Distance Grid on/off on monitor

### VTX210D

- Digital Wireless Transmitter and Receiver Module Box
- Noise Free Wireless System
- New Digital Wireless Technology
- Easy Installation, Wiring Free
- Power Source 12 VDC
- Video Resolution: VGA
- Work with any universal monitors and cameras
- NTSC
- Far exceeds any analog wireless system
- Designed to fit all cars, SUVs, Trucks and RVs
- Wireless Frequency: 2.4Ghz /2400 MHz~2483.5MHz
- Transmitting Power: 15dBm@ Max Power
- Signal Coverage Area: 50M (164ft)
- Video Transmit. Type: 100% private digital wireless transmission
- Video Transmit. Pixel: VGA



## Rear View Monitor

### VTM3601



- 3.5" Digital Rear View Monitor
- Input Voltage: DC9V~16V
- Display Format: 4:3
- NTSC/PAL
- Display Pixels: 320 x RGB x 240
- 2 Video inputs
- Auto Reverse Switch
- Distance Grid line on/off

### VTM4302

- 4.3" Digital Rear View Monitor
- Input Voltage: DC 9V~16V
- NTSC/PAL
- Display Pixels: 480 x RGB x 272
- 2 Video inputs
- 2 Audio inputs (Built-in Speaker)
- Auto Reverse switch
- Distance Grid line on/off



## Rear View Monitor

### VTM9000



- 9" Rear View Monitor
- 16:9/4:3 wide display, 2 video inputs
- Remote Control, Front AV inputs
- NTSC/PAL
- Resolution 800x600
- 1 Audio Input
- Picture Rotation Function
- Dimensin:230x155x25mm

### VTM7002Q

- 7" Quad Monitor with Touch Screen and Touch Button
- Touch Screen with "Finger-tip" operation
- Touch button for more convenient operation and longer durability
- Backup Distance grid and left/right turning indicator arrow on the screen
- Boot-strap display can be single or split views.
- Live video output; connected monitor can display synchronously.
- Day / Night brightness modes.
- Brightness, color, contrast, volume and sharp of each camera can be separately set up
- Mirror / Normal image for each camera can be separately selected.
- Single, dual, triple, quad-view and PIP functions.
- On-board speaker.
- Auto scan available and image switching time from 1-30 seconds.
- Four trigger signal inputs: auto switch to the working camera.
- Operates from 10-32 V, supplies power to cameras.
- Full-function remote control.
- 4 video inputs for cameras
- 4 audio inputs
- 16:9 Aspect Ratio
- LED backlighting



## Rear View Monitor

### VTM3000



- 3" TFT LCD Rear View Monitor
- Automatic Reverse Trigger
- 2 Video Inputs
- Supply Voltage: 12V DC
- Operating temperature: -14°F ~ 122°F
- Operation Current: 220mA +/- 80mA
- Resolution: 960 (H) x 240(V)
- Physical Dimension in inches: 3.35(L) x 0.63(D) x 2.28(H)

### VTM9001Q

- 9inch Digital TFT Panel
- 4 video inputs and 1 audio input
- NTSC
- 800 x R.G.B. x 480 pixels
- 12-24V DC
- Built-in Speaker
- High Resolution with Quad pictures
- Full image / two images / four images adjustable
- Automatic switching with trigger
- Suitable for rear / side view cameras
- OSD menu
- Contrast, Color, Brightness adjustable



Rear View Monitor

VTM4000



- 4" Digital Rear View Monitor, Dual-Mount Solution
- 16:9 wide display, 2 video inputs,
- Auto Reverse Trigger,
- NTSC/PAL
- DC12V

VTM4301

- 4.3" Rear View Monitor
- 16:9 wide display, 2 video inputs
- Auto Reverse Trigger,
- NTSC/PAL
- DC12V
- Resolution:480xRGBx272



Rear View Monitor

VTM7012



- 7" stand LCD monitor
- 3 Video input, 1 AV input on face
- NTSC & PAL
- Resolution: 800 x RGB x480
- DC12V~24V
- Full function Remote Control
- Built-in Speaker
- 3 Trigger wires
- Wrong Picture Applied.

VTM7012MQ

- 7" TFT LCD Quad Monitor
- 16:9 wide screen display
- 4 ways AV inputs
- NTSC & PAL auto-switching
- Resolution: 800 x RGB x480
- DC12V~24V
- 4Pin connector suitable for camera
- Built-in Speaker
- Full image/ 2 images/ 4 images adjustable
- Automatic switching with trigger



## Rear View Monitor

### VTM5000

- 5" TFT LCD Digital monitor with wide angle view and high resolution display
- Picture image may be adjusted for Horizontal, Vertical, Mirror and Normal viewing
- Select from 3 languages for user operation
- Automatic backlighting for buttons
- Full-function remote control
- Multiple video formats available: Auto/NTSC/PAL
- Up to 3 AV inputs
- Operates from 12~32V. Supports 12V or 24V automobile battery
- Automatically switches to back-up, left or right side camera views
- On-board speaker
- Distance Grid Display
- OSD keeps normal image even if it is mirror image in horizontal.
- Outer dimension: 147.6mm(W) x 109mm(H) x 26.5mm(T) without flush mount  
165mm(W) x 126mm(H) x 29.2mm(T) with flush mount
- Color depth: 24 bit
- Operating Temperature: -20~+70°C, RH90%
- Audio output: 1W
- Power consumption: < 7W
- Contrast: 500:1



## Marine Waterproof Monitor

### VTM7000MA



- 7" Color LCD Digital Waterproof Touch Button Monitor w/ 13PIN (3 cameras inputs)
- 7" Color LCD Digital Waterproof Touch Button Monitor w/ 22PIN (4cameras inputs, 1 video output and 1 audio output)
- Waterproof IP67
- Auto Adjustment of Panel Brightness
- Touch Button for more convenient operation and longer durability
- 8 languages available for user operation
- Multiple video formats available PAL/NTSC
- Automatic backlighting for buttons
- Mirror and Normal image switch available
- TFT LCD monitor with wide view angle and high resolution display
- Operates from 10~32V
- Built-in Speaker
- Full Function Remote Control
- Auto switches to back-up, left or right side camera views
- Supplies power to camera
- Image adjustable for Horizontal, Vertical, Mirror and Normal viewing

### VTM5000MA

- 5" Color LCD Digital Waterproof Monitor
- 2CH Inputs
- 4:3 Wide Screen
- 640XRGBX480 dots
- Operates from DC 12V~32V
- -10°C to +65°C
- NTSC
- Auto Adjustment of panel brightness



## Multimedia

### AVS300



- DVD Player with AM/FM MPX PLL Tuning Radio
- MP3, CD, CDRW, WMA, DVDR, DVDRW, Divx Compatible
- Electronic Detachable Panel
- SD card slot
- USB slot housing
- 4x40 watts max. power output
- 2CH RCA line out
- ISO Connector (includes ISO wire-harness)
- Aux in and Include Aux cable
- Auto Memory Scan/Store/Preset
- Remote Control
- DivX Resume

### VCD5031

- CD/MP3/WMA Player
- Detachable Face
- AM/FM Tuner with 30 Preset Radio
- Auto Memory Scan/ Store & Preset
- 25W x 4 High Power Output
- 5CH. Front, Rear and Sub Pre-out
- RCA Audio
- Includes Remote Control
- USB and SD Card Slot



## Multimedia

### AVD675D

#### General Features:

- \* 6.75inch Double Din Fixed Panel Digital Touch Screen
- \* DVD, Divx Resume, SD Card, USB
- \* High Resolution: 800x 480 HD TFT LCD
- \* Bluetooth, iPod, iPhone, CD to MP3
- \* In-Dash DVD, CD, MP3, AM/FM Receiver
- \* Perfect fit for standard double-din
- \* Smart Learning Steering Wheel Control
- \* Back up camera input with automatic reverse trigger
- \* Front panel aux in and SD slot
- \* Backlight display on any key press
- \* Power output: Peak 25W x 4
- \* Remote Control
- \* RDS
- \* Super high brightness (400 Nits)



#### Playback And Audio Features:

- \* Playback of DVD, VCD, SVCD, CD, CD-R, CD-RW, MP3, JPEG, MPEG4 and WMA
- \* Built-in Tuner with 18FM/12AM presets
- \* 3 Mode EQ (classic, pop and rock)
- \* Auto memory frequency store/ preset scan
- \* RDS System for enhanced radio playback

#### Expandibility Options:

- \* 3 sets of 2V preamp outputs (front, rear and subwoofer)
- \* iPod Ready: Audio playback with the included adapter
- \* Front-Panel Auxiliary input: 3.5mm (headphone jack) allows connection to portable media devices such as MP3 players, etc. (iphone and ipod compatible)
- \* Rear Video input: Rear video input for rear view cameras with a RCA
- \* 4CH RCA output and 2CH Video output
- \* Subwoofer output

#### Bluetooth Features:

- \* Works with most Bluetooth V2.0 enabled phones
- \* Noise and Echo cancellation
- \* Recent calls and talk time logs



## Multimedia

### AVN675D

#### General Features:

- \* 6.75inch Double Din Fixed Panel Digital Touch Screen with GPS Navigation
- \* DVD, Divx Resume, SD Card, USB
- \* High Resolution: 800x 480 HD TFT LCD
- \* Bluetooth, iPod, iPhone, CD to MP3
- \* In-Dash DVD, CD, MP3, AM/FM Receiver
- \* Perfectly fits for standard double-din
- \* Smart Learning Steering Wheel Control
- \* Back up camera input with automatic reverse trigger
- \* Front panel aux in and SD slot
- \* Backlight display on any key press
- \* Power output: Peak 25W x 4
- \* Remote Control
- \* RDS
- \* Super high brightness (400 Nits)



#### Playback And Audio Features:

- \* Playback of DVD, VCD, SVCD, CD, CD-R, CD-RW, MP3, JPEG, MPEG4 and WMA
- \* Built-in Tuner with 18FM/12AM presets
- \* 3 Mode EQ (classic, pop and rock)
- \* Auto memory frequency store/ preset scan
- \* RDS System for enhanced radio playback

#### Expandibility Options:

- \* 3 sets of 2V preamp outputs (front, rear and subwoofer)
- \* iPod Ready: Audio playback with the included adapter
- \* Front-Panel Auxiliary input: 3.5mm (headphone jack) allows connection to portable media devices such as MP3 players, etc. (iphone and ipod compatible)
- \* Rear Video input: Rear video input for rear view cameras with a RCA
- \* 4CH RCA output and 2CH Video output
- \* Subwoofer output

#### Bluetooth Features:

- \* Works with most Bluetooth V2.0 enabled phones
- \* Noise and Echo cancellation
- \* Recent calls and talk time logs

#### Navigation Features:

- \* Multi Language Voice Guidance (Text to Speech)
- \* Realistic Highway Entrance View
- \* Millions POI
- \* USA (including Hawaii, Alaska, Puerto Rico) and Canada map
- \* Multi Route Information
- \* Easy Searching & Speedy Shortcut

## Multimedia

### AVS703

#### General Features:

- \* In-Dash Single Din DVD, CD, MP3, AM/FM Receiver
- \* 7inch Digital Touch Panel
- \* Smart Learning Steering Wheel Control
- \* Back up camera input with automatic reverse trigger
- \* Built-in Bluetooth handsfree
- \* Front panel aux in and USB port
- \* Motorized slide-down face
- \* 5 step automatic motorized viewing angle
- \* Blue backlight display on any key press
- \* Power output: Peak 50W x 4
- \* iPod and iPhone compatible (includes cable)
- \* MP3 ID3 Tag Display (Title/Artist/Album)



#### Playback And Audio Features:

- \* Playback of DVD, VCD, SVCD, CD, CD-R, CD-RW, MP3, JPEG, MPEG4 and WMA
- \* Built-in Tuner with 18FM/12AM presets
- \* 3 Mode EQ (classic, pop and rock)
- \* Auto memory frequency store/ preset scan
- \* RDS System for enhanced radio playback

#### Expandibility Options:

- \* 3 sets of 2V preamp outputs (front, rear and subwoofer)
- \* iPod Ready: Audio playback with the included adapter
- \* Front-Panel Auxiliary input: 3.5mm (headphone jack) allows connection to portable media devices such as MP3 players, etc. (iphone and ipod compatible)
- \* Rear Auxiliary input: RCA Audio input
- \* Rear Video input: Rear video input for rear view cameras with a RCA

#### Bluetooth Features:

- \* Works with most Bluetooth V2.0 enabled phones
- \* Noise and Echo cancellation
- \* Recent calls and talk time logs

## Multimedia

### AVD700D



- 7" Double DIN Multimedia with Digital Panel
- Double DIN Digital Panel
- International advanced MPEG-4 DECODE TECHNOLOGY
- COMPATIBLE WITH MP4(AVI/DIVX/3.X/5.X), DVD, VCD, SVCD, MWM.WMA,CD.MP3.JPG
- Touch Screen Control
- Digital Album: JPEG image browser, slide/show, zoom, pan function
- RCA 4 Channel Audio Output, RCA 2 Channel Audio Input
- RCA 2 Channel Video Output, RCA 1 Channel Video Input
- 30 Radio Stations. Auto Scan, Store Memory
- Blocking mechanism, Dustproof
- Rear View Camera input
- Auto Identify PAL/NTSC system
- Support RDS function
- FM/AM Two Band Radio
- With USB2.0 & SD Card Slot
- iPod Compatible
- Built-in Bluetooth
- Motorized flip down mechanism, adjustable step for the angle of view
- Steering Wheel Control
- Bluetooth Streaming, iPhone compatible

## Vehicle Digital Video Recorder System

### VTR102



- 2.0M pixels CMOS digital sensor
- Recording resolution 720x480 D1 level
- G-sensor built-in
- Video recording : mpeg4
- Audio recording : aac (built-in MIC)
- Recording storage : microSD
- Various recording method
  - – Normal recording saving a video clip every 2 minutes(30MB/file)
  - – Event recording saving a 20-sec file independently in case of impact (before 10sec & after 10 sec based on impact, 5MB/file, max. 200 files)
- Angle of view 120° (Diagonal)
- Built-in RTC (Real Time Clock)
- Video-out port for external display
- Input power : DC 12-24V(Cigar jack)
- Dimension : 52(H) x 87(L) x 22(D) mm / 49g

## Vehicle Digital Video Recorder System

### VTR104



- 3-channel Digital Video Recorder
- Video Recording with High Resolution with 1.3 Mega Pixel image Recording
- Audio Recording Files can be stored along with other Data
- 3 Channel recording with two built-in cameras + one external camera
- With embedded GPS Module Observer shows the exact Location, Speed and Map Information
- Play VGA 640x480 Resolution @24fps / 2-ch
- Built-in G-Sensor: Shock Sensing of 3 Axis
- Emergency Recording: Inclusive of Voice Recording
- Continuous Recording: Set over Write
- Protect Recorded Events: Select to Disallow Overwriting Important Files
- Battery Monitoring Protects from Complete Discharge
- Mounts onto Windshield
- Records onto SD Card

### VTR107



- 2.0M pixel CMOS digital sensor
- External GPS, compatible with Google map
- Recording resolution
  - – 1 channel : built-in 1280x720 HD
  - – 2 channel : external 640x480 (Rear camera optional)
- G-sensor built-in
- Audio record : aac / Video record : h.264
- Recording storage : microSD
- Various recording method
  - – Normal recording : saving a file every 1 minute
  - – Event recording : saving a 20-sec file independently in case of impact (before 10sec & after 10 sec based on impact)
  - – Manual recording : saving a 20-sec file independently (before 10sec & after 10 sec based on button press)
  - – Motion detection : saving a 20-sec file independently (before 10sec & after 10 sec based on motion detection)
- Angle of view 110° (Diagonal)
- LED indicator
- Built-in RTC (Real Time Clock)
- Video-out port for external display
- Input power : DC 12-24V
- Dimension : 91 x 63 x 44 mm / 98g

## Vehicle Digital Video recording System

### VTR-B7HD



- 1+1CH display
- Built-in LCD 2.4inch Monitor
- Micro SD included
- Motion Detection
- Beep Sound
- Viewer program with Google map
- Built-in 2M pixel
- 1280 x 720P (Built-In camera) and VGA 640x480 (External Camera)
- GPS
- Built-in 3G sensor
- LED indication
- 4 functional buttons
- Compression: H264
- 30fps@ 1280x720P (1CH), 15fps@max (2CH)
- Event Time: before 10sec, after 10sec
- Motion Detection: before 10sec, after 10sec
- Parking mode support
- Audio recording via internal Mic
- Audio output
- Back-up battery built-in
- Power: DC 12~24V
- Compatible upto 32GB micro SD

## TV Tuners

### VT-MHC

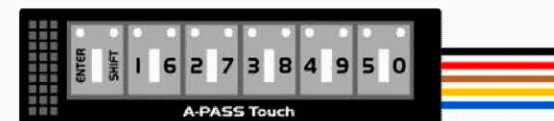


- ATSC+ATSC M/H Dual Combo TV Tuner
- Receives both local home channels and digital mobile channels
- Monopole DTV Antenna- High Reception Capability
- Output to In-Car AV Monitor
- Support External IR receiver
- Operated by Remote Controller
- Powered by DC 12V~24V

## Digital Doorlock System

### A-Pass Touch

- Digital Keyless Door Lock
- Touch Sensor Type
- Intelligent Software (Rainy, Snow, Hot, Cold weather)
- Scanner Function (Blue color LED)
- Simple install inside the window
- Pin code (4-10 digits)
- Simple to change the Pin code
- Touch sound (option)
- Slim and Compact size
- Ideal for multiple use purposes: outdoor activities, multiple drivers to one vehicle



## 360 All Around View Camera System

### VT-BP

- 360 degree All Around View Camera System(TopView)
- No Blind spots
- Seamless Splicing Technology
- Special 4 cameras for rear, front and side views
- Waterproof IP67
- 180 degrees wide viewing angle
- Working current:  $\leq 50\text{mA}$
- Idle current:  $\leq 1\text{mA}$
- Average Power consumption:  $\leq 0.6\text{W}$
- Working temperature:  $-30^{\circ}\text{C} \sim -85^{\circ}\text{C}$
- Easy Installation
- Distortion correction built-in

