

COR-EX18RS

EXPLOSION PROOF PTZ CAMERA w/ OSD MENU & 18X ZOOM

CORTEX "Ex equipment" (explosion proof rated technology) cameras are built with machined 316L stainless steel. The enclosure is built to resist the six major hazards of CCTV cameras. This "6 Proof" design is resistant to the forces of water, dust, corrosion, and vandals as well as higher pressures impacts from bullets and explosions. These products ignore explosive gases, rain, fog, sea-water, chemical corrosion, coal dust and even hammer blows and shot-gun blasts with ease.

Our unique designs use either a Sony™ or a High Definition day/night IP camera module for imaging (exact module varies depending on model). These components are integrated with a premium quality central processing unit and variable high speed motors that drive the pan/tilt assembly. This assembly provides 360° continuous rotation and tilt to give the user all-around surveillance.



Compliance: CE, FCC, MA, RoHS

Specifications

IOP CAMERA MODULE	
Sensor	1/4" Sony™ EXview HAD color CCD
Lens	4.1mm (wide) to 73.8mm (telephoto), f1.4-3.0
Iris	Auto or manual with slow-shutter integration
High Resolution	540 TV-lines or greater (~380k pixels)
Zoom	36X Zoom
Min. Light Level	0.1 LUX color imaging, 0.01 LUX B/W imaging (0.0 LUX with optional IR)
IR Filter	Automatic mechanical IR filter (ICR)
Picture Controls	Wide dynamic range, backlight compensation, privacy masking and more parameters adjustable and selectable in OSD menu
Sig.-to-Noise Ratio	50dB or greater
PAN/TILT ASSEMBLY	
Pan Speed	0.1° to 100° per second
Tilt Speed	0.1° to 80° per second
Pre-set Speed	Pan 0.1° to 100° per second, Tilt 0.1° to 80° per second
Pre-set Accuracy	± 0.03° (automatic or manual control)
Auto-scan	1° to 40° per second
Tilt & Pan Rotation	360°
MECHANICAL	
Stainless Steel Body	316L, 8mm- 22mm thick
Glass Window	Optically clear protective coating, toughened glass (5mm thick)
(Aluminum Alloy) Weight	22.2 lbs
(Stainless Steel) Weight	52.9 lbs
Working Temp.	-4° to 122°F (-20° to 50°C)
Storage Temp.	-40° to 140°F (-40° to 60°C)
ELECTRICAL	
Input Voltage	18VA to 30VAC -or- 18VDC to 30 VDC (with 12VDC option)
Power Consumption	28W to 50W depending on operations
AVAILABLE OPTIONS	
Infrared	Optional integrated IR LED array for low-light applications
Special Angle Yoke	Optional 30° angle yoke allows camera to be aimed directly down, monitor base of pole or wall where mounted.
Camera Modules	
Serial Comm. Control	Optional protocol available
OSD Menu Options	Optional motion detection, optional auto-tracking
Other Options	Optional GPS system, optional Stabilizer system, proportional pan speed

KEY FEATURES

- Day/Night sensitivity
- Sony™ camera module or Hi Def IP camera module
- Can be pressurized with nitrogen gas to eliminate presence of oxygen or corrosive gas inside the case
- Rugged machined 316L Stainless Steel construction 8mm -22mm thick
- Explosion proof - perfect for hazardous settings where corrosive gas and vapors or explosive gas or dust can accumulate.
- Enclosed variable high-speed pan/tilt motor assembly
- Weatherproof, IP66 & NEMA 4X
- Built-in heater and thermostat with temperature display and control
- Explosion Proof Certification: IECEx & ATX standard rated Exd II CT6
- Wiper function for clear imaging regardless of weather condition
- Customizable firmware with on-line upgrade for maintenance
- Fully integrated optical package (IOP) day/night camera
- Omni Seal high pressure seal
- Unique automatic OR manual motor calibration
- Unique hot-key and DIP switch design simplifies system setup



OSD Menu Options

- Internal temperature monitor
- User definable temperature alert
- Pan/tilt/zoom position
- Backlight compensation
- Wide dynamic range
- User definable privacy masking zones

The password protected OSD menu is the window through which the user can set up this product for optimum performance. Some of the features available include the following (this is not a complete list):



TOUR PAN-TILT-ZOOM FEATURES

- User defined pre-sets: 128
- User defined tours: 8
- User defined "learn" pattern aids tour setup
- User defined pre-set freeze
- User defined power-up action
- User defined auto-scan with 1° to 40°/sec, selectable speed
- User defined left/right scan limit
- Random scan feature
- Adjustable scan speed
- Proportional pan speed optional
- Self testing diagnostics
- Auto/Manual zero-position calibration
- Serial RS485 & RS422 (half- and full-duplex optional)
- PELCO protocol (P/D)
- Custom protocol optional
- Surge protection
- Non-volatile memory

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