

# Video & Optical Systems Limited

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## Explosion Proof ROBO Cameras JM612-V6 & JM612-V8

### Main Features

- Integrated with Day/Night camera, variable high-speed Pan/Tilt motor and enclosure
- Machined from aluminium alloy or 316L grade stainless steel
- Rugged
- Unique DIP switch & hot-key design simplifies system setup
- Unique wiper design for clear image in rain/fog/dust
- Unique firmware online upgrade (FOU) for customised requirements and maintenance
- Optically coated toughened front window
- Auto/Manual calibration ensures accurate operation
- Wiper, heater & internal temperature control
- IP66/CE/FCC/RoHS compliance



### Description

The JM612-V6 & JM612-V8 ROBO, are robust pan/tilt/zoom night-view camera systems. The body is machined from either aluminium alloy or 316L grade Stainless Steel, and Integrated with day/night IP camera module, central processing module, variable high-speed pan/tilt motors and enclosure. The unique "6 proof" design provides Explosion/ Water/ Vandal/ Bullet/ Corrosion and Dust protection. It can resist the explosive gases, rain & fog, stones & hammer blows, shot gun blasts, sea-water, chemical corrosion and coal-dust etc.

With the unique 360° continuous pan and tilt rotation, it offers true all-round video surveillance. Its unique Omni seal waterproof and explosion design, coupled with its robust and solid dome body makes it ideal for the most harsh and high security protection installations.

A 360° Motion Detection Unit (MDU) and Video Analytics Module (VAM) are also optional for the JM612-V6 camera system.

### Camera Features

- Day/Night camera
- Built-in Sony or HD IP camera module
- Back light compensation on/off selectable & wide dynamic range (WDR) functions
- Privacy masking zone and OSD password protection

### Pan/Tilt Features

- User definable 128 pre-set, 8 pre-set tour
- User definable auto-scan, random scan speed
- User definable left/right pan limit, proportional pan speed
- User definable power-up action, including self-testing diagnostics
- On-screen display programming menu
- Auto/Manual zero position calibration
- Pre-set video freeze function
- RS-485/RS-422 half duplex and full duplex (optional)
- PELCO P/D protocol and custom protocol optional
- Surge & non-volatile protection

## Typical Applications

- Marine
- Military
- Perimeter Protection
- Ammunition Depot
- Government & Banks
- Nuclear Facility
- Oil Refineries
- Rigs & Offshore Drilling Platforms
- Chemical Plants
- Oil & Gas Stations
- City Surveillance
- Prisons
- Embassies
- Ports
- Airports
- Vehicle etc.

## Specifications

Model	JM612-V6	JM612-V8
<b>Mechanical</b>		
Aluminium Alloy or 316L Grade Stainless Steel Body:	Average 22mm	
Filmed Glass and Toughened Glass	55mm	
Continuous Working Temperature	-20°C~50°C	
Storage Temperature	-40°C~60°C	
Net Weight	10KG (Al-Alloy), 24KG (Stainless Steel)	
<b>Pan/Tilt</b>		
Pan Speed	0.1° ~ 100° /s	
Tilt Speed	0.1° ~ 80° /s	
Pre-set Speed	Pan: 0.1° ~ 100° /s Tilt: 0.1° ~ 80° /s	
Pre-set Accuracy	± 0.03° (Auto / Manual Control)	
Auto Scan	1° ~ 40° /s	
Pan Rotation	360°	
Tilt Rotation	360°	
<b>Electrical</b>		
Input Voltage	18VA ~ 30VAC/ 18VDC ~ 30VDC (DC12 V Optional.)	
Operation Power	Max 50Watts Min 28Watts	