



Over/Under Exposure & Poor Color Quality



Proper Exposure & High Color Accuracy

FEATURES

- 1/3" Panasonic Progressive Scan CMOS Sensor
- 2.1 MegaPixel with Full 1080p/720p HD-SDI (SMPTE292M) EX-SDI Output
- 30 Dynamic Infrared LEDs at 850nm enable viewing in total darkness up to 100 feet
- Dynamic Intensity IR LEDs to reduce over saturation of IR illuminated video without engaging the Image Signal Processor chip
- MegaPixel IR Corrected 2.8-10mm Varifocal Auto Iris Lens with External Adjustments for Focus and Zoom
- True Day/Night by ICR - Dual Filter Switch
- Fully programmable True WDR (Dual Scan) at 30fps
- Smart Motion Zoom tracks motion, then intelligently zooms into that area of the frame
- 3D-DNR Advanced Digital Noise Reduction
- Dual Glass Compartments to Eliminate IR Reflection
- Secondary Video Output & OSD Control Joystick are accessible inside a gasket sealed removable side panel
- Advanced OSD Functions: Smart Motion Zoom, Focus Assist, Motion Detection, Privacy Mask, Defog, D-Zoom (~8x), Sens-up (~x32), BLC/HLC, Title Set, Pixel Defect Compensation, Lens Shade Compensation, Pointing Zoom, and Preset Zoom
- 100% Pure Digital Transmission of video data
- Up to 1000' HD Transmission Range (Depending on cable characteristics and integrity)



3-Axis mount with Simple One Turn Positioning Lock for Ease of Installation



Secondary Video Output & OSD Control Joystick are accessible inside a gasket sealed removable side panel



Externally Adjustable Zoom & Focus Controls

Detailed Specifications

Sensor	Panasonic 1/3" Progressive Scan CMOS Sensor
Resolution	2.1 MegaPixel (1080p / 720p)
S/N	More than 50dB (AGC OFF)
Video Output	Selectable: 1x HD-SDI (BNC) / EX-SDI (BNC) and 1x SD CVBS (BNC)
IR Illuminators	30 IR LEDs
IR Color Temp.	850nm
IR Range	Over 100 Feet
Dynamic Intensity Smart IR LEDs	YES
Lens	MegaPixel IR Corrected 2.8-10mm Varifocal
Auto Focus Zoom	N/A
Smart Motion Zoom	YES
Digital Zoom	0 ~ x8
Minimum Illumination	0.0005 Lux @ (AGC MAX, DSS x2) / 0 Lux with IR On
Day/Night	TDN with dual filter switch
Electronic shutter speed	Auto / Manual (1/30sec ~ 1/60,000sec)
White Balance	ATW / ATWext / One Push / Manual
Brightness	Adjustable (0 ~ 20 Steps)
DSS (Sens-Up)	OFF / X2 ~ X32
DNR	3D-DNR
WDR	True WDR (Dual Scan) at 30fps
Privacy Zones	YES (10 Zones / 4 Polygons)
Motion Detection	YES
Advanced OSD Functions	Smart Motion Zoom, Focus Assist, Motion Detection, Privacy Mask, Defog, D-Zoom(~8x), Sens-up(~x32), BLC/HLC, Title Set, Pixel Defect Compensation, Lens Shade Compensation
Communication	RS-485 (Pelco-D/P)
HD Transmission Range	Over 1000' (Depending on cable characteristics and integrity)
Weather Resistance Rating	IP-67
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Input Voltage	12VDC / 24VAC (Dual Voltage)
Power Consumption (12VDC)	12VDC: 190mA (IR OFF) / 550mA (IR ON)
Power Consumption (24VAC)	24VAC: 81mA (IR OFF) / 246mA (IR ON)
Dimensions	3.17" x 3.73" x 9.72" (80.5 x 94.8 x 247mm)

