

(2) Nightvision and Thermal Imaging Systems

- 122.270.0 SIM-ICCD-08/12***
- 122.280.0 SIM-ICCD-08/18***
- 122.290.0 SIM-ICCD-08/12 3rd**
- 122.300.0 SIM-ICCD-08/18 3rd**
- 122.310.0 SIM-ICCD-08/12 XR5**
- 122.320.0 SIM-ICCD-08/18 XR5**

Multisensor Camera with Image Intensified, B&W and Color CCDs



Specifications reverse to the model
**SIM-ICCD-08/18 with XD4 image intensifier
 (122.270.0):**

Intensified Camera Module	
Image Intensifier	XD4 SUPER 2nd GEN 1/2"
CCD Sensors	1/2" Interline Transfer; 752 (H) X 582 (V)
Horizontal Resolution	up to 530 TVL
Sensitivity	0.000001 Lx
Signal-To-Noise	42 dB
Control	Auto Gain Auto Gating - down to 1 µsec (optional 50 nsec), External Range Gating Option
Black&White Camera Module	
Horizontal Resolution	570 TVL
Sensitivity	0.0006 Lx (F1.2, 50% video, AGC 20 dB, normal shutter 1/50 s);
Signal-To-Noise	52 dB
Color Camera Module	
Horizontal Resolution	480 TVL
Sensitivity	0.1 Lx (F1.2, 50% video, AGC 20 dB, normal shutter 1/50 s)
Signal-To-Noise	50 dB
System Specifications	
Video Signal	FBAS
Video Standard	PAL / CCIR (625 Z / 50 Hz); NTSC / EIA
Communication	RS232; RS485
Lens Format	C-Mount
Lens Control	Zoom; Focus; Iris; Auto Back Focus Adjustment after Camera Module Change
Operation Temperature Range	-10°C to +50°C (0°C to 40°C recommended)
Operation Voltage	12 VDC
Power Consumption	1200 mA (TBD)
Weight	5.9 kgs
Dimensions (without lens)	135 mm (L) X 172 mm (B) X 224 mm (B) (without lens and tripod base)

*** = This model uses XD4
 image intensifier**

**The SIM MULTISENSOR CAMERA
 combines state-of-the-art video with
 high definition nightvision technolo-
 gy. Image format is 1" or 1/2".**

The SIM MULTISENSOR CAMERA
 is designed for 24 hours operation by
 combining three cameras to a unique
 system

the color camera for daylight
 the black/white camera for twilight
 the intensified camera during night

The sensitive night vision technology
 must only be used in cases where it is
 absolute necessary. The lifetime of the
 image intensifier is optimized.
 The SIM MULTISENSOR CAMERA is
 prepared for operation with infrared illu-
 minators, for light spot elimination and
 non-visible target illumination.
 Additionally the SIM MULTISENSOR
 CAMERA is ready for range gating ap-
 plications.

Additional features :

Automatic Back Focus Correction
 Additional Filter Options, like
 Infrared and Band Pass Filter
 Range Gating Option