D-SERIES: FOR OUTDOOR APPLICATIONS

Technical specifications

Outdoor D-Series

IMAGING PERFORMANCE	
Thermal:	
Detector type	Focal Plane Array (FPA), uncooled microbolometer
Number of pixels	320 x 240
Spectral range	7.5 to 13µm
Name/Focal length/ Field of view	D-348: 9 mm lens - FOV: 48°(H) x 39°(V) D-334: 13 mm lens - FOV: 34°(H) x 28°(V) D-324: 19 mm lens - FOV: 24°(H) x 19°(V) D-313: 35 mm lens - FOV: 13°(H) x 10°(V)
Thermal sensitivity	85 mK at 25°C
Image frequency	25 Hz or 8.3 Hz
Focus	Focus free, athermal lens
Electronic zoom	2x
Image processing	Automatic Gain Control (AGC), Digital Detail Enhancement (DDE)
Visual:	
Built-in digital video	1/4" Exview HAD CCD
Effective pixels	380.000
Standard lens performance	FOV: 57.8° (H) to 1.7° (H) f=3.4mm (wide) to 122.4 mm (tele), F1.6 to F4.5
Optical zoom	36x
Electronic zoom	12x

PAN- TILT	
Az Range; Az velocity	360° continuous, 0.5 to 60°/sec max.
El Range; El velocity	+45°, to -185°/sec, 0.5 to 60°/sec max.
Programmable presets	128

SYSTEM FEATURES	
Automatic heater	Clears ice from windows

IMAGE PRESENTATION	
Video output	PAL thermal and visible - NTSC thermal and visible
Video over Ethernet	Two independent channels for each camera (4 total) of streaming MPEG-4, H.264, or M-JPEG

POWER	
Requirements	24 VAC (20-30 VAC) 24 VDC (21-30 VDC)
Consumption	24 VAC: 40 VA nominal 65 VA max w/heater 24 VDC: 30 W nominal 50 W max w/heater

ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-25°C to +55°C
Storage temperature range	-50ºC to +85ºC
Encapsulation	IP66
Vibration	Mil-Std-810F

PHYSICAL CHARACTERISTICS	
Camera Weight	10.5 kg
Camera Size (L x W x H)	471 mm × 199 mm × 556 mm
Shipping weight (camera + packaging)	16.4 kg
Shipping size (camera + packaging) (L x W x H)	762 mm x 585 mm x 330 mm

INTERFACES	
TCP/IP	Yes
RS-485	Yes
RS-422	Yes
RS-232	Yes
Pelco D	Yes
Bosch	Yes

STANDARD PACKAGE
Thermal imaging camera, operator manual

Specifications are subject to change without notice.
Sizes and weights are indicative.