

PT-SERIES

Technical specifications



PT-Series: general specifications

IMAGING PERFORMANCE	
Thermal:	
Detector type	Focal Plane Array (FPA), uncooled Vanadium Oxide microbolometer
Spectral range	7.5 to 13µm
Thermal sensitivity	85 mK at 25°C
Image frequency	25 Hz or 8.3 Hz
Focus	Focus free, athermal lens
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, 0.1 to 60°/sec max.
EI Range; EI velocity	+/- 90°, 0.1 to 30°/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 (21-30 VAC) 24 VDC (21-30 VDC)
Consumption	24 VAC: 215 VA max w/heater 24 VDC: 195 W max w/heater

ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-40°C to +55°C
Storage temperature range	-50°C to +85°C
Encapsulation	IP66
Shock	IEC 60068-2-27
Vibration	Mil-Std-810F

PHYSICAL CHARACTERISTICS	
Camera Weight	16.4 kg
Camera Size (L x W x H)	348 mm x 467 mm x 326 mm
Shipping weight (camera + packaging)	20.5 kg
Shipping size (camera + packaging) (L x W x H)	599 mm x 542 mm x 340 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	

*Please consult product installation and operation guides for details of system power requirements

PT-Series: version specific specifications

SENSOR RESOLUTION	160 X 120	320 X 240	640 X 480
Name/Focal length/ Field of view	PT-124: 9 mm lens – FOV: 24°(H) x 20°(V) PT-117: 13 mm lens – FOV: 17°(H) x 14°(V) PT-112: 19 mm lens – FOV: 12°(H) x 10°(V)	PT-348: 9 mm lens - FOV: 48°(H) x 39°(V) PT-334: 13 mm lens - FOV: 34°(H) x 28°(V) PT-324: 19 mm lens - FOV: 24°(H) x 19°(V) PT-313: 35 mm lens - FOV: 13°(H) x 10°(V) PT-307: 65 mm lens - FOV: 7°(H) x 5°(V) PT-304: 100 mm lens - FOV: 4.6°(H) x 3.7°(V)	PT-645: 13 mm lens – FOV: 45°(H) x 37° (V) PT-625: 25 mm lens – FOV: 25° (H) x 20°(V)
Electronic zoom	2x	2x and 4x	2x and 4x

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