

Camera Technical Specifications

IMAGING PERFORMANCE

Detector type:	Focal Plane Array (FPA), uncooled Vanadium Oxide microbolometer 324 x 256 pixels
Spectral range:	7.5 to 13.5 μ m
Field of view:	54° (H) x 44° (V) with 12 mm lens
Lens coating:	Diamond Like Coating (DLC)
Thermal sensitivity:	< 20 mK at f/0.8
Image frequency*:	7.5 Hz (NTSC) or 8.3 Hz (PAL) *
Focus:	Lens thread mount allows manual focus adjustment
Image processing:	Digital Detail Enhancement (DDE)

IMAGE PRESENTATION

Video output:	14-bit serial LVDS Data stream
Connector types:	20-pin 3M MDR connector for power, trigger, data communication RJ45 for Digital Data over GigE

POWER

Requirements:	24 V DC
Consumption:	1.6 W Steady State

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range:	-20°C to +50°C
Storage temperature range:	-50°C to +70°C
Humidity:	Non-condensing humidity in the range 5% to 95%
Shock:	70 g shock pulse with a 11ms half-sine profile (MIL Grade)
Vibration:	4.3 g rms random vibration for 8 hours (three axes)

PHYSICAL CHARACTERISTICS

Camera Weight (camera core + lens):	278 grams with 12 mm lens
Camera Size (camera core + lens) L x W x H	120.4 mm x 64.7 mm x 64.7 mm with 12 mm lens
