

LTCT03

IP66 Thermal Camera



Features

- IP66, NEMA-4X enclosure rating
- Uncooled FPA microbolometer and uncooled VOx microbolometer FLIR detector optional
- f = 7.5, 9, 13, 19, 25, 35, 37 and 50 mm focal length optional
- 384 × 288 (25 μm), 640 × 480 (17 μm), 336 × 256 (25 μm) and 640 × 512 (17 μm) sensor format optional
- Analogue and network version available
- ONVIF-compliant RTSP video streaming for network version
- PoE supported for network version

Available Models

Model	Video	Video
LTCT03A	Analogue	NTSC
LTCT03AP	Analogue	PAL
LTCT03N	Network	-

*Each video versions in the above table has the following models available.

Model	Array Format	Pixel Pitch	Lens	Field of View
LTCT03N-9	384 × 288	25 μm	f = 9 mm	56.1° × 43.6°
LTCT03N-18	384 × 288	25 μm	f = 18 mm	29.9° × 22.6°
LTCT03N-37	384 × 288	25 μm	f = 37 mm	14.8° × 11.1°
LTCT03N-50	384 × 288	25 μm	f = 50 mm	11.0° × 8.2°
LTCT03N-V-9	640 × 480	17 μm	f = 9 mm	62.3° × 48.8°
LTCT03N-V-18	640 × 480	17 μm	f = 18 mm	33.6° × 25.5°
LTCT03N-V-37	640 × 480	17 μm	f = 37 mm	16.7° × 12.6°
LTCT03N-V-50	640 × 480	17 μm	f = 50 mm	12.4° × 9.3°
LTCT03N-F-7	336 × 256	25 μm	f = 7.5 mm	45° × 35°
LTCT03N-F-9	336 × 256	25 μm	f = 9 mm	35° × 27°
LTCT03N-F-13	336 × 256	25 μm	f = 13 mm	25° × 19°
LTCT03N-F-19	336 × 256	25 μm	f = 19 mm	17° × 13°
LTCT03N-F-25	336 × 256	25 μm	f = 25 mm	13° × 10°
LTCT03N-F-35	336 × 256	25 μm	f = 35 mm	9.3° × 7.1°
LTCT03N-FV-13	640 × 512	17 μm	f = 13 mm	45° × 37°
LTCT03N-FV-19	640 × 512	17 μm	f = 19 mm	32° × 26°
LTCT03N-FV-35	640 × 512	17 μm	f = 35 mm	18° × 14°
LTCT03N-FV-50	640 × 512	17 μm	f = 50 mm	12° × 10°

Tech Specs

Model	LTCT03
Detector Type¹	<ul style="list-style-type: none"> • Uncooled FPA microbolometer (LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-) • Uncooled VOx microbolometer (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-, LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-)
Spectral Range¹	<ul style="list-style-type: none"> • 8 μm to 14 μm (LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-)

Model	LTCT03
Array Format¹	<ul style="list-style-type: none"> • 7.5 μm to 13 μm (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-, LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-) • 384 × 288 (LTCT03A-, LTCT03AP-, LTCT03N-) • 640 × 480 (LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-) • 336 × 256 (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-) • 640 × 512 (LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-)
Pixel Pitch¹	<ul style="list-style-type: none"> • 25 μm (LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-) • 17 μm (LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-, LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-)
Video¹	<ul style="list-style-type: none"> • Analogue: NTSC, 1 Vp-p, 75 ohm (LTCT03A-, LTCT03A-V-, LTCT03A-F-, LTCT03A-FV-) • Analogue: PAL, 1 Vp-p, 75 ohm (LTCT03AP-, LTCT03AP-V-, LTCT03AP-F-, LTCT03AP-FV-) • Network: Full D1 (720 × 576), 25 frames per second (LTCT03N-, LTCT03N-V-, LTCT03N-F-, LTCT03N-FV-)
Lens	<ul style="list-style-type: none"> • f = 7.5 mm (LTCT03A-F-7, LTCT03AP-F-7, LTCT03N-F-7) • f = 9 mm (LTCT03A-9, LTCT03AP-9, LTCT03N-9, LTCT03A-V-9, LTCT03AP-V-9, LTCT03N-V-9, LTCT03A-F-9, LTCT03AP-F-9, LTCT03N-F-9) • f = 13 mm (LTCT03A-F-13, LTCT03AP-F-13, LTCT03N-F-13, LTCT03A-FV-13, LTCT03AP-FV-13, LTCT03N-FV-13) • f = 18 mm (LTCT03A-18, LTCT03AP-18, LTCT03N-18, LTCT03A-V-18, LTCT03AP-V-18, LTCT03N-V-18) • f = 19 mm (LTCT03A-F-19, LTCT03AP-F-19, LTCT03N-F-19, LTCT03A-FV-19, LTCT03AP-FV-19, LTCT03N-FV-19) • f = 25 mm (LTCT03A-F-25, LTCT03AP-F-25, LTCT03N-F-25) • f = 35 mm (LTCT03A-F-35, LTCT03AP-F-35, LTCT03N-F-35, LTCT03A-FV-35, LTCT03AP-FV-35, LTCT03N-FV-35) • f = 37 mm (LTCT03A-37, LTCT03AP-37, LTCT03N-37, LTCT03A-V-37, LTCT03AP-V-37, LTCT03N-V-37) • f = 50 mm (LTCT03A-V-50, LTCT03AP-V-50, LTCT03N-V-50, LTCT03A-FV-50, LTCT03AP-FV-50, LTCT03N-FV-50)
Protection Rating	IP66, NEMA-4X enclosure rating
Operating Ambient Temperature	-40 °C to 60 °C (-49 °F to 140 °F)
Relative Humidity	5 % to 95 % noncondensing
Input Power¹	<ul style="list-style-type: none"> • 12 V DC (LTCT03A-, LTCT03AP-, LTCT03A-V-, LTCT03AP-V-, LTCT03A-F-, LTCT03AP-F-, LTCT03A-FV-, LTCT03AP-FV-) • PoE (LTCT03N-, LTCT03N-V-, LTCT03N-F-, LTCT03N-FV-)
Power Consumption¹	<ul style="list-style-type: none"> • 12 W (LTCT03A-, LTCT03AP-, LTCT03A-V-, LTCT03AP-V-, LTCT03A-F-, LTCT03AP-F-, LTCT03A-FV-, LTCT03AP-FV-) • 15 W (LTCT03N-, LTCT03N-V-, LTCT03N-F-, LTCT03N-FV-)
Dimensions (W × H × L)	145 mm × 109 mm × 406 mm (5.7 in × 4.3 in × 16.0 in)
Weight	6 kg (13.2 lb)
Control	Serial protocol over RS-232

1. The spec for LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-, LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-, LTCT03A-FV-, LTCT03AP-FV-, and LTCT03N-FV- is the same as LTCT03A-9, LTCT03AP-9, LTCT03N-9, LTCT03A-V-9, LTCT03AP-V-9, LTCT03N-V-9, LTCT03A-F-9, LTCT03AP-F-9, LTCT03N-F-9, LTCT03A-FV-13, LTCT03AP-FV-13, and

LTCT03N-FV-13.

*Design and specifications are subject to change without prior notice.