

# 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 Type <sup>1</sup>	<ul style="list-style-type: none"> <li>Uncooled FPA microbolometer (LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-V-,</li> </ul>

Model	LTCT03
	<ul style="list-style-type: none"> <li>LTCT03AP-V-, LTCT03N-V-)</li> <li>Uncooled VOx microbolometer (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-, LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-)</li> </ul>
Spectral Range <sup>1</sup>	<ul style="list-style-type: none"> <li>8 μm to 14 μm (LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-)</li> <li>7.5 μm to 13 μm (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-, LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-)</li> </ul>
Array Format <sup>1</sup>	<ul style="list-style-type: none"> <li>384 × 288 (LTCT03A-, LTCT03AP-, LTCT03N-)</li> <li>640 × 480 (LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-)</li> <li>336 × 256 (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-)</li> <li>640 × 512 (LTCT03A-FV-, LTCT03AP-FV-, LTCT03N-FV-)</li> </ul>
Pixel Pitch <sup>1</sup>	<ul style="list-style-type: none"> <li>25 μm (LTCT03A-, LTCT03AP-, LTCT03N-, LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-)</li> <li>17 μm (LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-, LTCT03A-VF-, LTCT03AP-VF-, LTCT03N-VF-)</li> </ul>
Video <sup>1</sup>	<ul style="list-style-type: none"> <li>Analogue: NTSC, 1 Vp-p, 75 ohm (LTCT03A-, LTCT03A-V-, LTCT03A-F-, LTCT03A-FV-)</li> <li>Analogue: PAL, 1 Vp-p, 75 ohm (LTCT03AP-, LTCT03A-VP-, LTCT03AP-F-, LTCT03AP-FV-)</li> <li>Network: Full D1 (720 × 576), 25 frames per second (LTCT03N-, LTCT03N-V-, LTCT03N-F-, LTCT03N-FV-)</li> </ul>
Lens	<ul style="list-style-type: none"> <li>f = 7.5 mm (LTCT03A-F-7, LTCT03AP-F-7, LTCT03N-F-7)</li> <li>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)</li> <li>f = 13 mm (LTCT03A-F-13, LTCT03AP-F-13, LTCT03N-F-13, LTCT03A-FV-13, LTCT03AP-FV-13, LTCT03N-FV-13)</li> <li>f = 18 mm (LTCT03A-18, LTCT03AP-18, LTCT03N-18, LTCT03A-V-18, LTCT03AP-V-18, LTCT03N-V-18)</li> <li>f = 19 mm (LTCT03A-F-19, LTCT03AP-F-19, LTCT03N-F-19, LTCT03A-FV-19, LTCT03AP-FV-19, LTCT03N-FV-19)</li> <li>f = 25 mm (LTCT03A-F-25, LTCT03AP-F-25, LTCT03N-F-25)</li> <li>f = 35 mm (LTCT03A-F-35, LTCT03AP-F-35, LTCT03N-F-35, LTCT03A-FV-35, LTCT03AP-FV-35, LTCT03N-FV-35)</li> <li>f = 37 mm (LTCT03A-37, LTCT03AP-37, LTCT03N-37, LTCT03A-V-37, LTCT03AP-V-37, LTCT03N-V-37)</li> <li>f = 50 mm (LTCT03A-V-50, LTCT03AP-V-50, LTCT03N-V-50, LTCT03A-FV-50, LTCT03AP-FV-50, LTCT03N-FV-50)</li> </ul>
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 Power <sup>1</sup>	<ul style="list-style-type: none"> <li>12 V DC (LTCT03A-, LTCT03AP-, LTCT03A-V-, LTCT03AP-V-, LTCT03A-F-, LTCT03AP-F-, LTCT03A-FV-, LTCT03AP-FV-)</li> <li>PoE (LTCT03N-, LTCT03N-V-, LTCT03N-F-, LTCT03N-FV-)</li> </ul>
Power Consumption <sup>1</sup>	<ul style="list-style-type: none"> <li>12 W (LTCT03A-, LTCT03AP-, LTCT03A-V-, LTCT03AP-V-, LTCT03A-F-, LTCT03AP-F-, LTCT03A-FV-, LTCT03AP-FV-)</li> <li>15 W (LTCT03N-, LTCT03N-V-, LTCT03N-F-,</li> </ul>

<b>Model</b>	<b>LTCT03</b> LTCT03N-FV- <u>  </u>
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<b>Model</b>	LTCT03
<b>Dimensions (W × H × L)</b>	145 mm × 109 mm × 406 mm (5.7 in × 4.3 in × 16.0 in)
<b>Weight</b>	6 kg (13.2 lb)
<b>Control</b>	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.