

# LTCT03

## Camera nhi?t IP66



### 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 x 288 (25 µm), 640 x 480 (17 µm), 336 x 256 (25 µm) and 640 x 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 x 288	25 µm	f = 9 mm	56.1° x 43.6°
LTCT03N-18	384 x 288	25 µm	f = 18 mm	29.9° x 22.6°
LTCT03N-37	384 x 288	25 µm	f = 37 mm	14.8° x 11.1°
LTCT03N-50	384 x 288	25 µm	f = 50 mm	11.0° x 8.2°
LTCT03N-V-9	640 x 480	17 µm	f = 9 mm	62.3° x 48.8°
LTCT03N-V-18	640 x 480	17 µm	f = 18 mm	33.6° x 25.5°
LTCT03N-V-37	640 x 480	17 µm	f = 37 mm	16.7° x 12.6°
LTCT03N-V-50	640 x 480	17 µm	f = 50 mm	12.4° x 9.3°
LTCT03N-F-7	336 x 256	25 µm	f = 7.5 mm	45° x 35°
LTCT03N-F-9	336 x 256	25 µm	f = 9 mm	35° x 27°
LTCT03N-F-13	336 x 256	25 µm	f = 13 mm	25° x 19°
LTCT03N-F-19	336 x 256	25 µm	f = 19 mm	17° x 13°
LTCT03N-F-25	336 x 256	25 µm	f = 25 mm	13° x 10°
LTCT03N-F-35	336 x 256	25 µm	f = 35 mm	9.3° x 7.1°
LTCT03N-FV-13	640 x 512	17 µm	f = 13 mm	45° x 37°
LTCT03N-FV-19	640 x 512	17 µm	f = 19 mm	32° x 26°
LTCT03N-FV-35	640 x 512	17 µm	f = 35 mm	18° x 14°
LTCT03N-FV-50	640 x 512	17 µm	f = 50 mm	12° x 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 x 288 (LTCT03A-, LTCT03AP-, LTCT03N-)</li> <li>• 640 x 480 (LTCT03A-V-, LTCT03AP-V-, LTCT03N-V-)</li> <li>• 336 x 256 (LTCT03A-F-, LTCT03AP-F-, LTCT03N-F-)</li> <li>• 640 x 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-, LTCT03AP-V-, LTCT03AP-F-, LTCT03AP-FV-)</li> <li>• Network: Full D1 (720 x 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-, LTCT03N-F-, LTCT03N-V-, LTCT03N-F-, LTCT03N-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> </ul>

Model	LTCT03
	<ul style="list-style-type: none"> <li>• 15 W (LTCT03N-_, LTCT03N-V-_, LTCT03N-F-_, LTCT03N-FV-_)</li> </ul>

Model	LTCT03
<b>Dimensions (W x H x L)</b> 145 mm x 109 mm x 406 mm (5.7 in x 4.3 in x 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.