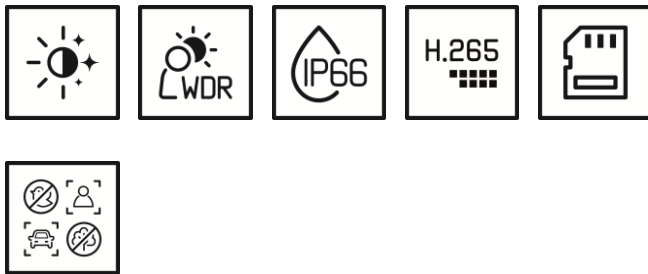


## GD-TI-CT2510T

Thermal & Optical IP Camera 9.7mm NEMA 4X



- Deep Learning - behavior analysis based on deep learning algorithm like line crossing, region entrance & exit, intrusion
- Audio Communication & Alarm Input / Output
- WDR (Wide Dynamic Range) for extreme backlight situations
- PoE 802.3af
- IP 66 Certification
- Dual Streaming with 1 infrared channel and 1 optical channel
- Picture in Picture - Partial image of infrared channel on the full image of optical channel
- Management platform for 3rd party APPs

### PREMIUM

- Product Line PREMIUM:  
For comprehensive solutions with special and unique features

Item Code: GD-TI-CT2510T

EAN CODE: 4260573063239

## Specifications GD-TI-CT2510T

**Thermal module**

Thermal Sensor:	Vanadium Oxide Uncooled Focal Plane Array
Resolution (Thermal):	384 x 288
IVOF:	1.75 mrad
NETD:	< 35 mk (@25° C, F=1.0)
Response Waveband:	8 µm to 14 µm
Detector Pitch:	17 µm
Focal Length (IR):	9.7 mm
Viewing Angle (IR):	37.5° x 28.5° (HxV)
MOD (Min. Object Distance):	1 m

**Camera**

Image Sensor:	1/2.7" progressive Scan CMOS
Video Resolution:	2688 x 1520
Sensitivity Colour:	0.0089Lux @ F1.6 (AGC ON)
Sensitivity B/W:	0.0018 Lux @ F1.6 (AGC ON)
Shutter Speed:	1 ~ 1/100,000 s

**Lens**

Lens Focal Length:	4 mm
Field of View:	84° x 44.8° (HxV)

**Illuminator**

Max. IR Distance:	Up to 40 m
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**Video**

Wide Dynamic Range:	120 dB On/ Off
Day/Night Switch:	Color, BW, Auto

**Audio**

Audio Compression:	G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM
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**General**

Measurement option:	Support 3 temperature measurement rule types, 21 rules (10 points, 10 regions and 1 line)
Object Temperature Range:	- 20°C to 150°C
Accuracy:	± 8°C
DRI Range:	Detection Range, Vehicles 1.4 m x 4.0 m: 2255 m Detection Range, Humans 1.8 m x 0.5 m: 735 m Recognition Range, Vehicles 1.4 m x 4.0 m: 564 m Recognition Range, Humans 1.8 m x 0.5 m: 184 m Identification Range, Vehicles 1.4 m x 4.0 m: 282 m Identification Range, Humans 1.8 m x 0.5 m: 92 m

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## General

Smart Function Range:	VCA Range, Vehicles 1.4 m x 4.0 m: 200 m VCA Range, Hu mans 1.8 m x 0.5 m: 71 m Temperature Measurement, Object 2 x 2 m: 234 m Temperature Measurement, Object 1 x 1 m: 118 m
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## Network

Video Compression:	H.264, H.265, MJPEG
SD Memory:	Micro SD/SDHC/SDXC card slot with ANR (up to 256G), NAS (Support NFS, SMB/CIFS)
Client software:	C-WERK Viewer, SCMS, IOS App, Android App (SCMS)
Web Browser:	Plug-in required live view: Internet Explorer 11 Non Plug-in live view and service: Chrome 57.0+, Mozilla Firefox 52+
Frame Rate:	Optical: Main Stream 50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720) 60 Hz: 30 fps (2688 x 1520, 1920 x 1080, 1280 x 720) Infrared: Main Stream 25 fps (1280 x 720, 640 x 480, 352 x 288, 320 x 240) Optical: Sub Stream 50 Hz: 25 fps (704 x 576, 352 x 288, 176 x 144) 60 Hz: 30 fps (704 x 480, 352 x 240, 176 x 120) Infrared: 25 fps (704 x 576, 640 x 480, 352 x 288, 320 x 240)
Network Protocol:	TCP/IP, IPv4, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, Bonjour, UDP, PPPoE, SNMP
Cyber Security:	3 levels of user management: admin, operator, user, AES Encryption for Password Protection, Complicated Password, HTTPS (SSL) Login Authentication, Basic and digest authentication for HTTP/HTTPS, 802.1X authentication (EAP-TLS), 802.1X authentication (EAP-MD5), Watermark, IP Adress Filter, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, Control timeout settings, Security audit log, SNMP V2, SNMP V3, TLS 1.1, TLS 1.2, TLS 1.2 with updated cipher suites including AES 256 encryption. Brute Force Delay Protection, Signed Firmware, Secure Boot by software check

## I/O Interface

Audio Input/Output:	1-ch audio input and 1-ch audio output
Alarm Input/Output:	2, 2
Network Interface:	1x 10, 100 Base T, TX PoE+ (RJ-45)
Serial Interface(s):	1x RS-485

## Intelligent Functions

Intrusion Detection:	Enter and loiter in a pre-defined virtual region
Line Crossing:	Cross a pre-defined virtual line
Region Entrance:	Enter a pre-defined virtual region from the outside place
Region Exiting:	Exit from a pre-defined virtual region
Event Source:	Video tampering, network disconnected, IP address conflicted, HDD full, HDD error, illegal login, motion detection
Event Action:	Recording: Pre-event, post-event memory card and/or network storage. Picture upload: FTP, HTTP and NAS. Trigger E-mail notification: HTTP, ISAPI. Alarm output and notification to C-WERK VMS. Events are depending on schedule settings.

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## Approvals

Protection Rating:	IP66 (IEC 60529-2013)
Standard:	ONVIF (Profile S, Profile G, Profile T), SDK/API

## Environmental

Operating Temperature:	-40 °C ~ 65 °C (-40 °F ~ 149 °F)
Humidity:	Less than 95%, non condensing

## Electrical

Surge Protection:	TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Supply Voltage:	12 VDC, 24 VAC, PoE (IEEE 802.3af)
Power Consumption:	Max. 9.5 W

## Mechanical

Dimensions:	376,1 x 119,1 x 118,1 mm (14,81 x 4,69 x 4,65 inch)
Weight:	1890 g (4.17 lb)

## Accessories:



GD-BR-AMC03



GD-BR-AML01