GD-TI-ET2515T

GRUNDIG

Type: Bullet - Thermal Imaging - Camera
Item Code: GD-TI-ET2515T
EAN CODE: 4260573065578

PREMIUM

The PREMIUM product line offers versatile solutions with unique and unparalleled features.

Highlights

Object Classification

This technology employs a highly advanced deep learning algorithm that can discern whether the alarm was triggered by a human, a vehicle or some other object.

Features

- Deep Learning - bahavior analysis based on deep leraning algorithm like line crossing, region entrance & exit , intrusion

- Audio Communication & Alarm Input / Output

- PoE 802.3af

- Dual Streaming with 1 infrared channel and 1 optical channel

- WDR (Wide Dynamic Range) for extreme backlight situations

- Picture in Picture - Partial image of infrared channel on the full image of optical channel

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Specifications GD-TI-ET2515T

Thermal module	
Thermal Sensor:	Vanadium Oxide Uncooled Focal Plane Array
Resolution (Thermal):	384 x 288
IFOV:	0.78 mrad
NETD:	< 25 mk (@25° C, F=1.0)
Detector Pitch:	12 µm
Focal Length (IR):	15.4 mm
Viewing Angle (IR):	17° x 13° (HxV)
MOD (Min. Object Distance):	5 m
Camera	
Image Sensor:	1/2.7" progressive Scan CMOS
Video Resolution:	2688 × 1520
Sensitivity Colour:	0.0089Lux @ F1.6 (AGC ON)
Shutter Speed:	1 ~ 1/100,000 s
Lens	
Lens Focal Length:	8 mm
Field of View:	39,4° ~ 22,1° (H x V)
Illuminator	
Max. IR Distance:	Up to 75 m
Video	
Wide Dynamic Range:	120 dB
Day/Night Switch:	Color, BW, Auto
Audio	
Audio Compression:	G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM
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: 1968 m Detection Range, Humans 1.8 m x 0.5 m: 642 m Recognition Range, Vehilces 1.4 m x 4.0 m: 492 m Recognition Range, Humans 1.8 m x 0.5 m: 160 m Identification Range, Vehicles 1.4 m x 4.0 m: 246 m Identification Range, Humans 1.8 m x 0.5 m: 80 m
Smart Function Range:	VCA Range, Vehicles 1.4 m x 4.0 m: 492 m VCA Range, Humans 1.8 m x 0.5 m: 154 m Temperature Measurement, Object 0.2 x 0.2 m: 46 m Smoking Detection: 22.5 m Fire Detection, Object 0.2 x 0.2 m: 185 m
Frame Rate	
Main Stream:	Thermal: 25 fps (1280 × 720, 704 × 576, 352 × 288, 384 × 288) Optical: 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)

Frame Rate

Sub- Stream:	Thermal: 25 fps (704 × 576, 352 × 288, 384 × 288) Optical: 50 Hz: 25 fps (704 × 576, 352 × 288) 60 Hz: 30 fps (704 × 480, 352 × 240)

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+
Network Protocol:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, SNMP, SRTP
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.

Approvals

Protection Rating:	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002), NEMA 4X (NEMA 250-2018)
Standard:	ONVIF (Profile S, Profile G, Profile T), SDK/API

Environmental

Operating Temperature:	-40 °C ~ 70 °C (-40 °F ~ 158 °F)
Humidity:	Less than 95%, non condensing

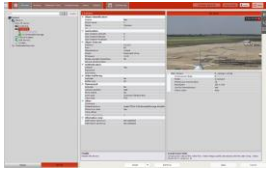## Electrical

Surge Protection:	TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Supply Voltage:	12 VDC, 24 VAC, PoE (IEEE 802.3af)
Power Consumption:	Max. 14.5 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)

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Accessories

GD-CW-VIEWER

GD-CW-FINDER

GD-SW-SCMS

GD-HW-SD-128GB

GD-HW-SD-256GB

GD-BR-AMC03

GD-BR-AML01

GD-BR-AML01AC

Guarantee

All cameras in the "SMART", "PRO" and "PREMIUM" product lines have an extended warranty period of 5 years on electronic parts, mechanical wear and tear on moving parts is not included. Please note our general delivery terms and conditions.