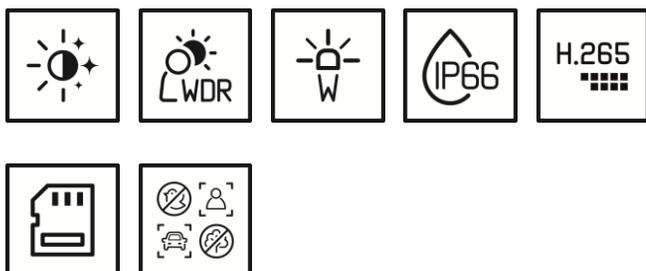


## GD-TI-AP4507V

Thermal & Optical IP Camera 256×192



- Dual Streaming with 1 infrared channel and 1 optical channel
- Audio Communication & Alarm Input / Output
- IP 66 Certification
- Picture in Picture - Partial image of infrared channel on the full image of optical channel



### PROFESSIONAL

- Product Line PROFESSIONAL: These products cover most applications of modern video systems

Item Code: GD-TI-AP4507V

EAN CODE:

## Specifications GD-TI-AP4507V

### Thermal module

Thermal Sensor:	Vanadium Oxide Uncooled Focal Plane Array
Resolution (Thermal):	256 x 192
IFOV:	5.48 mrad
NETD:	< 40 mk (@25° C, F=1.0)
Response Waveband:	8 µm to 14 µm
Detector Pitch:	17 µm
Focal Length (IR):	6.9 mm
Viewing Angle (IR):	24.5° x 18.5° (HxV)
MOD (Min. Object Distance):	1.3 m

### Camera

Image Sensor:	1/2.7" progressive Scan CMOS
Resolution (MP):	4 MP
Video Resolution:	2688 x 1520
Sensitivity Colour:	0.0089Lux @ F1.6 (AGC ON)
Sensitivity B/W:	0.0035 Lux @ F2.25, (AGC ON)
Shutter Speed:	1 ~ 1/100,000 s

### Lens

Lens Focal Length:	6.4 mm
Field of View:	53° (horizontal), 28° (vertical)

### Illuminator

Max. IR Distance:	Up to 15m
White Light Distance:	Up to 30 m
White LED:	Alarm/ Off

### Video

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

### Audio

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

VCA Range:	Vehicles: 315 m, Humans: 145 m Temperature Measurement (Object: 0.2 x 0.2 m): 55 m Temperature Measurement (Object: 1 x 1 m): 117 m Fire Detection (Object: 0.2 x 0.2 m): 83 m
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

Item Code: GD-TI-AP4507V

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# Camera | Thermal Imaging | Fixed Dome



## General

DRI Range:	Detection Range, Vehicles 1.4 m x 4.0 m: 881 m Detection Range, Humans 1.8 m x 0.5 m: 287 m Recognition Range, Vehicles 1.4 m x 4.0 m: 220 m Recognition Range, Humans 1.8 m x 0.5 m: 72 m Identification Range, Vehicles 1.4 m x 4.0 m: 110 m Identification Range, Humans 1.8 m x 0.5 m: 36 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: IE10/IE11 Non Plug-in live view: Chrome 57+, Mozilla Firefox 52+ Local Service: Chrome 57+, 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, 704 x 576, 640 x 480, 352 x 288, 320 x 240) Optical: Sub Stream 50 Hz: 25 fps (704 x 576, 352 x 288) 60 Hz: 30 fps (704 x 480, 352 x 240) Infrared: 25 fps (704 x 576, 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 Address 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:	1, 1
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:	Sudden Audio loss, network disconnected, IP address conflicted, HDD full, HDD error, illegal login, alarm input, line crossing, intrusion, human & vehicle target classification

Item Code: GD-TI-AP4507V

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# Camera | Thermal Imaging | Fixed Dome

# GRUNDIG

## Intelligent Functions

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. Audio alarm, white light alarm, alarm output and notification to C-WERK VMS. Events are depending on schedule settings.

## 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, PoE (IEEE 802.3af)  
Power Consumption: Max. 6 W

## Mechanical

Dimensions: Ø 138 × 121 mm (Ø 5.45 × 4.85 inch)  
Weight: 955 g (2.11 lb)

## Accessories:



GD-BR-AJX01



GD-BR-AMP15



GD-BR-AMW16



GD-BR-AWJ06

Item Code: GD-TI-AP4507V

EAN CODE:

® Abetechs GmbH (Grundig Security), Düsseldorf, Germany

[grundig-security.com](http://grundig-security.com)