

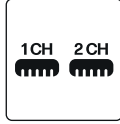
## VISION INSIGHT PRO



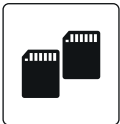
Wide-Viewing  
Angle



Connected



2-Channel



Dual SD  
Storage



OBD  
Plug & Play



Wake up  
on demand



# VISION INSIGHT PRO

## Connected 2-Channel Forward-Facing Camera

The **VISION INSIGHT PRO** is a connected dual-camera system – the forward-facing camera is for the driver's view of the road and the other channel can be used for either driver-facing or to record the side, rear or cargo view. The device supports dual-stream video recording – main stream (HD) and sub stream (SD) – allowing users to simultaneously preview and live stream in a data-efficient way, with full HD (1080P) video being available to download on request. An in-vehicle AHD monitor can be added for side, rear or cargo monitoring.

Dual Micro SD card storage (up to 512GB) offers approximately 36 hours of recording capacity based on 128GB in full HD (2x 256GB/72 hours recording in full HD & 144 hours of recording in SD). A built-in 100Hz G-shock sensor is able to detect poor driver behaviour, helping fleet managers to improve road safety and reduce operational risk whilst removing false positives, such as speed bumps and potholes.

### Key features:

- ✓ 2MP resolution with 143° FOV (forward-facing camera)
- ✓ 4G/LTE module
- ✓ Supports up to 2-channel video recording
- ✓ Dual Micro SD card storage
- ✓ Powered via OBD plug & play for easy installation
- ✓ Supports wake up on demand (power consumption less than 0.1W)

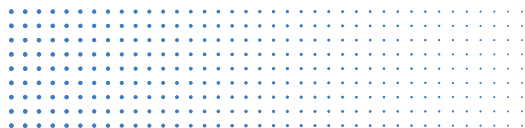
**t** +44 (0) 1246 225 745

**e** info@visiontrack.com

**w** visiontrack.com

**s** support.visiontrack.com



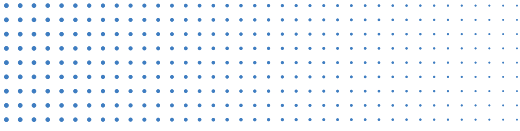


## VISION INSIGHT PRO

### Specifications:

<b>System</b>	Embedded Linux
<b>Language</b>	Supports English, Spanish, Portuguese, French, Russian and Japanese
<b>Video/Audio Recording</b>	2-channel video (default: 1-channel; extensible: 1-channel AHD) 1-channel audio input by default. For the extended version, there is also a 1-channel audio output
<b>Total Resources</b>	1080P@30fps (front) + 1080P@20fps
<b>Image Setup</b>	Adjustable brightness, chroma, contrast, colour saturation and sharpness
<b>Video Coding</b>	H.264/H.265
<b>Audio Compression Standard</b>	ADPCM/G.711/G.726 (default: ADPCM)
<b>CBR/VBR</b>	Supported. VBR or CBR (optional), VBR by default
<b>Audio</b>	Built-in mic (audio disabled by default)
<b>Loudspeaker</b>	Built-in 3W loudspeaker
<b>Sensor Type</b>	1/2.8" 2-megapixel CMOS sensor
<b>Shutter Speed</b>	1/30s–1/100000s
<b>Lens</b>	2.6 mm HFOV: 114° VFOV: 77° DFOV: 143°
<b>Minimum Illumination</b>	Colour: 0.05Lux/F1.2
<b>Lens Mount</b>	MDVR built-in lens
<b>Wide Dynamic Range (WDR)</b>	Digital WDR
<b>Backlight Compensation</b>	Supported
<b>Signal-to-Noise Ratio (S/N)</b>	≥48dB



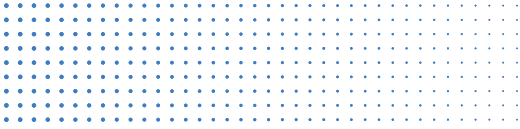


## VISION INSIGHT PRO

### Specifications:

<b>Micro SD Card</b>	Supports two Micro SD cards (maximum capacity of a single card is 256GB)
<b>Six-Axis Sensor</b>	Supported, Harsh Acceleration, Braking and Cornering
<b>CAN Data Collection</b>	Supported
<b>Port</b>	RS-232 x 1 IO Port 4-channel input CAN x 1 Mini USB port x 1
<b>WIFI</b>	Supports 2.4G (IEEE Std.802.11a / IEEE Std.802.11b / IEEE Std.802.11g / IEEE Std.802.11n)
<b>4G</b>	Supported For North America: EC25AFXGA-128-SGAS LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5 For Europe and Asia: EC25-EC LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8 For Latin America: EC25AUXGA-128-SGNS LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8





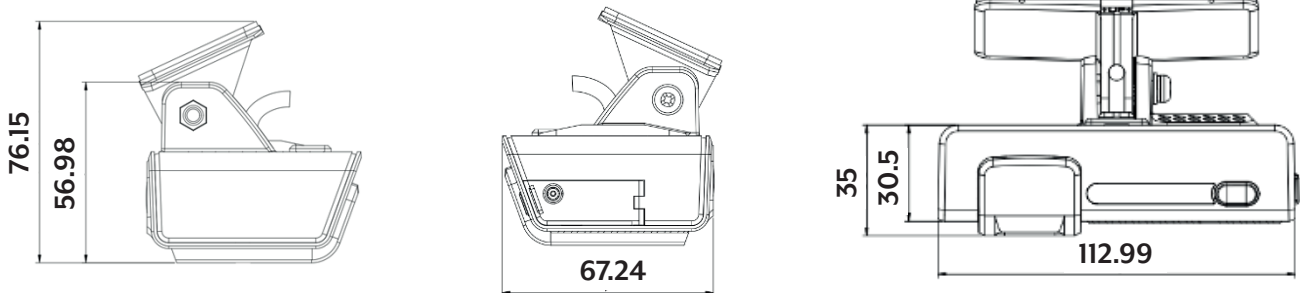
## VISION INSIGHT PRO

### Specifications:

<b>GPS</b>	Supported GPS: L1 1575.42MHz BDS: B1 1561.098MH GALILEO: E1B/C1 GLONASS: L1OF 1602MHz SBAS: WAAS, EGNOS, MSAS, GAGAN
<b>Power Supply</b>	9-36V
<b>Built-In Battery</b>	Not supported
<b>Power Consumption</b>	Typical power consumption < 5 W, maximum power consumption ≤ 7 W
<b>Dimensions</b>	113.0 mm (length) × 67.2 mm (width) × 57.0 mm (height, without bracket)
<b>Weight</b>	720g
<b>Operating Temperature</b>	-40°C – +70°C (-40°F – +158°F)
<b>Storage Temperature</b>	-40°C – +85°C (-40°F – +185°F)
<b>Humidity</b>	-15% – 90%

### Dimensions:

113.0 mm (L) × 57.0 mm (H, without bracket) × 67.2 mm (W)



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