

Code: PROTECT-218

## AHD, PAL, IP MOBILE DVR **PROTECT-218** 4 CHANNELS

The PROTECT-218 is a mobile recorder designed to use in coaches, city buses, busses, trams, subway, corporate and personal vehicles and special vehicles ie. lorries, police cars, prison or military cars, ambulances. The device has been specially designed so that exhibited increased resistance to oscillations and vibrations. Recorder supports the 2.5" HDD with capacity up to 2 TB.

The power cables of the PROTECT-218 are connected to the car's battery and ignition (analogous to radio receiver), so when you turn the ignition device automatically begins recording the audio-video data. Additionally the device is equipped with a power backup and during 8 seconds after power loss is still recording.

PROTECT-218 has 4 video inputs, 3 of which are equipped with standard M12 connectors and one (the first) with 10 pin connector. The CAM1 connector is a connector with a DSM signal which allows the connection of a special camera testing the driver behavior. The CAM2 connector makes it possible to connect an ADAS camera testing the movement of the vehicle.



Standard:	AHD, CVBS, TCP/IP
Video inputs:	4 pcs BNC
Video outputs:	1 pcs VGA 1 pcs CINCH 1 pcs M12, 4-pin socket
Audio inputs:	4 pcs CINCH
Audio outputs:	1 pcs CINCH
Resolution of recording video files:	1920 x 1080, 1280 x 720, 960 x 576, 720 x 576, 704 x 576 px
Maximal total frame rate:	<ul style="list-style-type: none"> <li>• 100 fps @ 4 x AHD 1080p,</li> <li>• 100 fps @ 4 x CVBS 960H,</li> <li>• 25 fps @ 1 x IP 1080p</li> </ul>
Supported hard drives:	1 x 2 TB HDD / SSD 2.5 "
Memory storage for video recording:	0.4 GB/h @ 1920 x 1080 px H.265 15 fps
Image compression method:	H.265 / H.264
GPS:	✓
G-Sensor:	3-axis
Gyroscope:	3-axis
RS-485:	✓
RS-232:	✓
Alarm inputs / outputs:	8 / 1
microSD socket:	✓

Port USB:	1 x USB 3.0
Ethernet port:	1 x RJ-45 Passive PoE
Wi-Fi module:	2.4 GHz, 5 GHz - IEEE 802.11 a/b/g/n/ac
Main features:	<ul style="list-style-type: none"> <li>• Powering the cameras with 12V DC/3A voltage directly from recorder : 4 x DC 2.1/5.5mm socket + 1 x Passive PoE</li> <li>• Auto recording after power on</li> <li>• Power supply backup - Continuing to record after a short power failure (up to 8 s)</li> <li>• Cooperation with DSM cameras testing the driver's behavior</li> <li>• Cooperation with ADAS cameras testing the movement of the vehicle</li> <li>• Alarms and maintenance events registration</li> <li>• Alarms and errors memory reading</li> <li>• Recording of the traveled route of the vehicle using the GPS receiver</li> <li>• The GPS, G-Sensor and gyroscope sensors enable detection of such events as: collision, sharp braking, accelerating or cornering too fast</li> <li>• Integration with vehicle sensors</li> <li>• Backup to USB drive (pendrive, external drive)</li> <li>• Backup to micro SD memory card</li> <li>• Wi-Fi support - Automatic data synchronization</li> <li>• Default administrator password : 888888</li> <li>• Remote control</li> <li>• Compliance with the MIL-STD-810G standard</li> <li>• Automatic heating of the HDD/SSD slot allows you to start recording at temperatures from -40°C</li> <li>• Mirror - Mirror image</li> </ul>
Power supply:	8 V ... 36 V DC
Power consumption:	< 0.5 W (Standby mode) < 36 W (operation)
Operation temp:	-40 °C ... 80 °C
Permissible relative humidity:	20 % ... 95 % RH
Weight:	1.72 kg
Dimensions:	<ul style="list-style-type: none"> <li>• 195 x 184 x 61 mm</li> <li>• 248 x 184 x 61 mm + additional cable housing</li> </ul>
Supported languages:	English
Guarantee:	2 years