PRODUCT DATASHEET

TRASSIR PC Server 8400R/32-S



TRASSIR PC Server 8400R/32-S is a network video recorder intended for IP cameras running TRASSIR OS (Linux), with support of video analytics based on neural networks: detection of people entering the area, counting the number of people in the area (e.g., in line), as well as search the archive by people[1].* Offload analytics support (receiving and processing images transmitted from other TRASSIR servers)

Description of the recorder back panel[2]:



1. USB 3.1 (Type-A and Type-C)
2. Connectors for monitors connection
3. USB 3.1 (Type-A)
4. RJ-45 for Ethernet connection
5. Audio inputs / outputs
6. 220V power connector

Accessories included in the kit

- Recorder (assembled and packed form) ..... 1 pc.
- Keyboard (USB) ..... 1 pc.
- Mouse (USB) ..... 1 pc.
- Power supply cable ..... 2 pcs.
- Recorder rack mounting rail kit ..... 1 pc.
- Product datasheet ..... 1 pc.
- Warranty card ..... 1 pc.
- Recorder user manual ..... 1 pc.

Warranty service

- Two years warranty for the recorder beginning from the date of sale, but not more than 30 months from the date of manufacture.
- If there is no warranty card, then the warranty period is counted from the production date.
- Warranty service under the "Replacement Server" program.

[1] A complete list of supported video analytics modules is provided at www.trassir.com

[2] Overall appearance, number and location of connectors may vary.
The manufacturer reserves the right to change the recorder configuration without affecting its main parameters.

Product specifications:

General specifications	
Operating system	TRASSIR OS (based on Linux)
Working temperature	10...30°C
USB interface	**On rear:** 4 USB 3.1 Gen 1 (Type-A) 1 USB 3.1 Gen 2 (Type-A) 1 USB 3.1 Gen 2 (Type-C)
NET/GROSS weight, kg[3]	5.3 / 6.8
Package / Device dimensions (WxDxH), mm	540 x 520 x 175 / 430 x 380 x 88

Recording	
Resolution of record	No limits (depending on camera model[4])
Bitrate	720 Mbps
Playback speed	-32x - 32x

Audio / Video	
Video compression format	H.265+, H.265, H.264, MPEG4 or MJPEG (depending on the IP camera model[4])
Audio compression format	G711a, G711u, PCM, AAC, G722.1 G726 MP2L2
Video output	1 D-SUB (VGA), 1 HDMI, 1 DisplayPort
Maximum output resolution	D-Sub (VGA): FullHD, DisplayPort / HDMI: 4K[6]
Audio inputs/outputs	In: 1 jack 3.5mm Out: 1 jack 3.5mm

Network	
Network interface	2 Ethernet 10/100/1000 Mbps
Network protocols	TCP/IP, IPv4/v6, UDP, DHCP, CloudConnect, DNS, NTP, SADP, SMTP, iSCSI, UPnP, HTTP/HTTPS, RTSP, ONVIF

Archive	
HDD	4 HDD 3.5'' of any capacity

Power	
Power supply voltage	220V
Power consumption	500W

Features	
Remote connection	Trassir client, from Android / iOS mobile client TRASSIR Cloud connection Up to 100 connections per server
Neural network video analytics	Supported (optional modules)
SSL encryption support	Available

[3] Depending on the accessories used, the weight of the recorder may vary by ±10%.
[4] The list of supported IP cameras and their operation modes is available at www.trassir.com
[5] Up to 3 monitors can be connected to the recorder.
[6] Supported when hardware acceleration is enabled in TRASSIR.

MANUFACTURE DATE

UNIT SERIAL NUMBER

SECURITY KEY NUMBER

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www.trassir.com
support@trassir.com

Performance of the TRASSIR PC Server 8400R/32-S server with video analytics:

TRASSIR module name	Purpose	Number of channels
Face Mask Detector	Detector of protection mask availability	4
Social Distance Detector	Social distance detector	11
AutoTRASSIR-30	Recognition of license plates at the speed of up to 30 km/h	5
AutoTRASSIR-200	Recognition of license plates at the speed of up to 200 km/h	2
Neuro Detector	Prohibited area intrusion detector	32+
Crowd Detector	People congestions detector	32+
Queue Detector	Counter of people in a queue	32+
Direction Detector	Prohibited direction movement detector	11
Neuro Counter	Zone interception detector	11
Wear Detector	Control over protective clothing availability	5
Hardhat Detector	Protective helmet availability detector	32+
Staff Tracker	Personnel work performance tracker	5
Sabotage Detector	Video quality control detector	24
Neuro Left object Detector	Left possessions detector	2
Bag Counter	Counter of bags	2

Notes:

- The table shows capabilities of recorders actual when working with video analytics modules without displaying a video stream on the monitor (if one module is launched on the recorder) in the Offload mode.
- Current measurements of the new modules for the TRASSIR PC Server 8400R/32-S server and other TRASSIR servers can be viewed at the link in the bottom right corner.
- The number of channels may vary depending on current conditions and software version. Please contact TRASSIR sales specialists for exact calculations.

Learn more about analytics

TRASSIR module compatibility combinations installed on one TRASSIR PC Server8400R/32-S server:

TRASSIR module name	Face Recognition	Face Mask Detector	AutoTRASSIR-30	AutoTRASSIR-200	Neuro Detector	Crowd Detector	Direction Detector	Neuro Counter	Social Distance	Queue Detector	Wear Detector	Staff Tracker	Hardhat Detector	Shelf Detector	Sabotage Detector	Neuro Left object Detector	Bag Counter	Pose Detector
Face Recognition	+																	
Face Mask Detector		+			+	+	+	+	+						+			
AutoTRASSIR-30			+		+	+	+	+	+	+			+		+			+
AutoTRASSIR-200				+	+	+	+	+	+	+			+		+			+
Neuro Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Crowd Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Direction Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Neuro Counter		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Social Distance		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Queue Detector			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Wear Detector					+	+	+	+	+	+	+	+	+	+	+		+	+
Staff Tracker					+	+	+	+	+	+	+	+	+	+	+		+	+
Hardhat Detector			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Shelf Detector					+	+	+	+	+	+	+	+	+	+	+		+	+
Sabotage Detector		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Neuro Left object Detector															+	+		
Bag Counter					+	+	+	+	+	+	+	+	+	+	+		+	+
Pose Detector			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+

Notes:

- The table shows data taken from the calculation on running of two different modules at the average detection rate (the point "average detection quality" is selected in the module settings). For more accurate calculations of the server load and for running of more modules, please contact a TRASSIR sales specialist.
- For receipt of a complete list of modules, refer to the trassir.com website or the actual price list.