



DATASHEET

TRASSIR NeuroStation 8200R/16 INT

TRASSIR NeuroStation 8208R/16 INT

TRASSIR NeuroStation 8216R/16 INT



TRASSIR NeuroStation 8200R/16 INT, TRASSIR NeuroStation 8208R/16 INT, TRASSIR NeuroStation 8216R/16 INT are the network video recorders for IP-cameras running TRASSIR OS (Linux) that support processing video analytics based on neural networks: detection of people entering a zone, counting the number of people in a zone (for example, in a queue), as well as archive search. The video recorders also support offload analytics (receiving and processing images transmitted from other TRASSIR servers).

Rear panel¹:



1. PS/2 (keyboard or mouse)
2. D-SUB
3. HDMI
4. USB 2.0 and 3.0 (Type-A)
5. RJ-45
6. Audio inputs / outputs
7. 220V power supply

Basic equipment:

- Network video recorder (assembled and packaged) 1pcs.
- Mouse (USB) 1pcs.
- Power cord 1pcs.
- Device datasheet 1pcs.
- Warranty card 1pcs.

Warranty service:

- Specify the information about the warranty on www.trassir.com.

¹ All rights reserved. Design and specifications are subject to change without notice.

Specification:

		General
Operating system	TRASSIR OS (based on OS LINUX)	
IP video input	Up to 16 IP cameras	
Working temperature	10...30°C	
USB interfaces	3 USB 3.0 (Type-A), 1 USB 2.0 (Type-A) on rear panel, 2 USB 2.0 (Type-A) on front panel	
Net / Gross weight, kg²	5.3 / 6.8	
Package / device dimensions (WxDxH), mm	540 x 520 x 175 / 482 x 390 x 89	
		Recording
Resolution of cameras	no limits (depending on camera model ³)	
Bitrate	640 Mbps	
Playback rate	-32x - 32x	
		Audio / Video
Video compression	H.265+, H.265, H.264, MPEG4 or MJPEG (depending on camera model ³)	
Audio compression	G711a, G711u, PCM, AAC, G722.1 G726 MP2L2	
Video output⁴	1 D-SUB, 1 HDMI	
Maximum video output resolution	D-SUB: FullHD, HDMI: 2K ⁵	
Audioinputs / Audiooutputs	1 IN (jack 3.5mm) 1 OUT (jack 3.5mm)	
		Network
Network interfaces	1 Ethernet 10/100/1000 Mbps	
Network protocols	TCP/IP, IPv4/v6, UDP, DHCP, CloudConnect, DNS, NTP, SADP, SMTP, iSCSI, UPnP, HTTP/HTTPS, RTSP, ONVIF	
		Storage
HDD	2 3.5" HDDs of any capacity	
		Storage
Power supply	220V	
Power consumption	400 W	
		Features
Remote connection	Trassir client, Android / iOS mobile app TRASSIR Cloud cloud connection Up to 100 connections per server	
SSL encryption support	Yes	
Video analytics	Yes (modules are optional)	

² Depending on the accessories used, the weight of the video recorder may vary by ±10%.

³ You can find the list of the supported IP cameras and available working modes on www.trassir.com.

⁴ You can connect up to 2 monitors to the video recorder. The connectors on discrete card are not designed for connecting monitors.

⁵ Supported when the hardware acceleration is enabled in TRASSIR.

DATE OF PRODUCTION	SERIAL NUMBER
KEY NUMBER	

TRASSIR NeuroStation 8200R/16 INT, TRASSIR NeuroStation 8208R/16 INT, TRASSIR NeuroStation 8216R/16 INT server performance with video analytics:

TRASSIR module name	Description	Number of channels
Face Mask Detector	Protective face mask detector	2
Social Distance Detector	Social distance detector	8
AutoTRASSIR-30	License plate recognition up to 30 km/h	5
AutoTRASSIR-200	License plate recognition up to 200 km/h	2
Neuro Detector	Restricted Area Intrusion Detector	16+
Crowd Detector	Crowd detector	16+
Queue Detector	People counter in the queue	16+
Direction Detector	Moving in forbidden direction detector	8
Neuro Counter	Zone crossing detector	8
Wear Detector	Workwear control	5
Hardhat Detector	Hardhat control	16
Staff Tracker	Staff quality tracker	5
Sabotage Detector	Video quality detector	16+
Neuro Left object Detector	Protective face mask detector	1
Bag Counter	Social distance detector	2

Notes:

- The table shows the capabilities of the recorders to operate with video analytics modules without displaying video on the monitor (in case one module is launched on the recorder) in the Offload mode.
- The number of channels may vary depending on conditions and the software version. Please, contact your sales representative for exact calculations.

Combinations of TRASSIR modules compatibility on a single TRASSIR NeuroStation 8200R/16 INT, TRASSIR NeuroStation 8208R/16 INT, TRASSIR NeuroStation 8216R/16 INT:

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 the data from the calculation of running two different modules at an average detection rate (an "average detection quality" is selected in the module settings). For more accurate calculation of the server load and running more modules contact your sales representative.
- You can find a complete list of modules on trassir.com or in the price list.