



PROMON STREAMER G1 combines the features of a high-speed camera with a long record time stand-alone system. The small powerful fan-less controller with built in camera allows the system to be installed in locations where conventional systems are too large. The **PROMON STREAMER G1** controller stores up to 30min of high-speed video data. The system can be configured like a conventional PC System by connecting monitor, mouse, and keyboard or via remote Ethernet connection.

PROMON STREAMER G1 is ready for 24/7 operation. The trigger input is directly compatible to PLC logic or switch closing contacts. Data may be stored internally and can be transferred via network to a central archive.



Direct to controller – PROMON STREAMER G1 records and streams image data directly the controller storage without any interaction of a user. Data is instantaneously ready for future analysis or export to standard movie formats.



Long recording times – Recording times of minutes or even hours allow users to capture, analyze and archive a complete process in all detail, important in detecting trends, to catch sporadic and intermittently occurring incidents.



Built for an industrial environment – PROMON STREAMER G1 is a fan-less industrial controller with a small footprint. Start and Stop recording with your PLC – or switch closure.



Image trigger / Event Marker – Extends the versatility of your PROMON system by having the camera self-trigger or insert an event marker in the image sequence when an incident is visually detected.

Camera / Sensor specifications

Resolution vs Frame Speed								Image Sensor	1280 x 1024 resolution 4.8 µm pixel size / 1/2" MONO and Color Sensor available
	1024	800	720	640	600	512	480		
1280	203	257	284	318	338	392	417	Shutter Type	Global, independent of frame rate
800	311	392	432	482	511	591	626		
640	378	475	523	582	617	710	751	Exposure Time	User adjustable from 59µsec to 1/fps by software
480	481	602	662	734	777	895	939		
320	663	823	900	994	1049	1193	1254		
USB3.0 Data connection, 7PIN Hirose IO Connector								Dimensions Camera	30 x 30 x 30 mm / 80 gr

Recording time

Storage	15min, optional 30min or 60min (at max res/speed) per Camera
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PROMON STREAMER G1 Controller

Housing	Aluminium housing fan-less construction for industrial applications
I/O to BNC	Trigger / Sync In / Sync Out (depending on the configuration) 2x I/O configurable with AISv4 IO Mapping tool (set to record, event marker, download to NAS and others)
I/O	1x DisplayPort, 2x USB 3.0, 2x GigE Lan, 4x BNC
Control	Remote Desktop Protocol over Network or local connected Keyboard / Mouse / Monitor Sequence Download over Network (Timed by v4 or manual by user or triggered by event)
Power requirements	9V- 24V / 35W
Operating Temperature	0°C ~ 40°C
Dimensions	108mm(W) x 72mm(H) x 188mm(D) / weight 0.900 Kg

Software

Software	Comprehensive Imaging Studio v4 software for parametrization, recording, playback and analysis of recordings is already installed in the controller. The software is free to install on as many PC for post-recording analysis.
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Depending upon PROMON STREAMER G1 model if camera is built in or uses cameras connected externally the following configurations are possible, maximum of 2 cameras in combination:



Streamer with built in camera, self-contained operation



Streamer with built in camera, and additional external U750 camera
3m, 5m, 8m Cable length



Streamer with no internal camera, U750 camera connected via single cable to Streamer Controller.
3m, 5m, 8m Cable length



Streamer with no internal camera, 2 x U750 cameras connected via single cables to Streamer Controller.
3m, 5m, 8m Cable length

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