



FULL-HD-MINI-INSPECTION

Industrial Full HD Mini Inspection System

FUNCTIONALITY

With many inspection solutions, the entire system has to be replaced in the event of a hardware failure. This is not the case with the Full HD inspection solution from PIEPER; here it is sufficient to replace the affected component and the system is immediately ready for use again. There is no need for reconfiguration, saving both time and money.

The robust unit resists dust, vibrations, shocks as well as temperature fluctuations and is thus ideally suited for industrial applications. Thanks to the optimized components, the FULL-HD-MINI-INSPECTION system can be installed even in the smallest of spaces. The 12 m long cable of the sensor unit makes it possible to position the main unit where there is sufficient space.

The complete system is mounted individually depending on the application and can, for example, consist of a main unit for the operation of one or up to four cameras in parallel, which are controlled with an IP address. In addition, it is possible to install an industrial PC including a video management software and a network video recorder. Additional components are available for individual configuration and flexible expansion.

ALWAYS KEEP AN EYE ON THE PRODUCTION

With the help of a video management software and NVR recording, production processes can be evaluated efficiently. In this way, faults can be detected and rectified more quickly and the production process can be optimized.

In addition, economical evaluation is made possible by IBA-compatible components that can synchronize process data from the machine with the video data and store them in the system.



FULL-HD-MINI-INSPECTION - COMPONENTS

BASIC SYSTEM	RECOMMENDED COMPONENTS	OPTIONAL COMPONENTS
<ul style="list-style-type: none"> • Sensor unit with 12 m cable • Protective housing • Lens protection • Conduit • Main unit 	<ul style="list-style-type: none"> • Camera junction box • DIN rail power supply • Industrial Ethernet switch • Network video recorder • Management-PC • Industrial monitor unit 	<ul style="list-style-type: none"> • Industrial core switch for the connection of multiple inspection systems • Connection to Profibus • Connection to a process control system
MAIN UNIT	SENSOR UNIT	
<ul style="list-style-type: none"> • HDTV 1080p with 50/60 fps • Video compression H.264, Motion JPEG • Wide Dynamic Range • Two-way audio streaming • System: color • 1920 x 1200 px maximum resolution • IR cut filter: Standard • Low Speed Shutter: Yes • Digital noise reduction (DNR): No • Motion Detection: Yes • Lens mount: Separate sensor/lens unit • Video outputs: No • 4 Alarm inputs • Control interface: RS232 • SD/SDHC/SDXC storage slot • Power supply: 8 - 28 V DC, PoE (IEEE 802.3a/802.3at) • ONVIF: Yes 	<ul style="list-style-type: none"> • Separated sensor unit • 1/2,8" (effective) progressive RBG GMOS sensor • Flexible, rugged design for indoor and outdoor use • Wide horizontal field of view: 113° • Fixed aperture: 2,8 mm, F2.0 • Aluminum housing, IP66-, IP67-certified • Cable length: 12 m • Integrated lens protection 	



FULL-HD-MINI-INSPECTION - SYSTEM STRUCTURE



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