


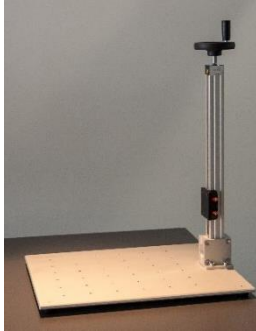

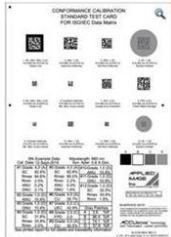
Features of the Verifier Unit:

- Data-Matrix verification for process control according to ISO/IEC 29158 (AIM DPM) and ISO/IEC 15415
- Easy menu-driven software with article management (saving the axis positions, exposure time, etc.)
- Validation of the Data-Matrix code content
- Validation of the Data-Matrix code geometry (size, number of modules)
- Simple PC connection to the evaluation unit via Ethernet TCP/IP
- Logging (PDF) of the verification results with image, individual quality values and defects
- Logging of results in CSV file
- Applicable to a variety of parts especially directly marked parts

Measuring unit:	
<ul style="list-style-type: none"> • High resolution camera system In-Sight 8402 with 1600x1200 pixels • Flexible controllable illumination units (Dome light with integrated coaxial light and 4 quadrants illumination module 30°) 	
Controller:	
<ul style="list-style-type: none"> • Connection to camera and illumination • Connection to the PC and network via RJ45 plug 	
Software:	
<ul style="list-style-type: none"> • User and menu-guided software • Simple article parameterization and system calibration • High-performance verification based on the new ISO 29158 standard • Clear result displays and report generation • (Optional) Control of the automatic z-axis 	
Calibration card:	
<ul style="list-style-type: none"> • Contains both types of calibration target symbols • Can be used to calibrate any tester • Contains only master grade symbols and no intentionally produced "conformance check symbols" with low grades. 	

Technical specifications	
Image sensor	1600x1200 Pixel
Illumination	Dome light with integrated coaxial light and 4 quadrants illumination module 30°
Wavelength of the illumination	660nm (Light color: Red)
Type of code	2D Data-Matrix (ECC200)
Min. module size	0,2mm
Image section (optional other)	32x24mm ²
Communication	Ethernet
Supply voltage	110V- 230V AC, 50Hz
Number of network connections TCP/IP, RJ45	2
Number of network connections TCP/IP, RJ45, PoE	1
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-30°C to 80°C (-22°F to 176°F)
Air humidity in operation and storage	25% to 80% non-condensing
Certifications (CE, UL, FCC)	Yes

System requirements for the software
<p>Minimum (applies to PCs connected to a single In-Sight vision system)</p> <ul style="list-style-type: none"> • Intel® Celeron® 1000M with 1.8 GHz (or equivalent processor) • 2 GB available RAM • 4 GB available hard disk space • Video card with a resolution of 1280 x 768 at 24-bit color depth. A DPI display setting of 96 DPI is required • Network card (100 Mbps minimum) for connection to In-Sight vision systems • Windows 10/11 <p>Recommended (for PCs connected to up to four In-Sight vision systems)</p> <ul style="list-style-type: none"> • Intel® Core™ i7 core CPU with 2,7 GHz (or equivalent processor) • 4 GB available RAM • 8 GB available hard disk space • Video card with a resolution of 1920 x 1080 at 32-bit color depth. A DPI display setting of 96 DPI is required • Gigabit network card for connection to In-Sight systems

Order information		
Item no.	Description	Image
111121	<p>AIT EasyID Verifier Unit* for easy and fast verification of the quality of Data-Matrix codes according to ISO TR 29158 (AIM DPM-1-2006) and ISO 15415. Includes high-resolution Cognex ID system with 1600x1200 pixels. Compact illumination unit consisting of dome, on axis and 4 quadrant illumination LED red. Software for verifying, validating DMC code, operating and logging, controller unit with 2 Ethernet TCP/IP ports, 110V-230VAC, max. 5A</p> <p>*PC not included</p>	
111157 (optional)	<p>AIT EasyID Verifier Unit stand, 350x400mm² base plate with hole pattern M6 stand height 400mm. Height adjustable via hand crank. Incl. quick mounting for AIT EasyID Verifier Unit (Item no. 111121)</p>	
111158 (optional)	<p>AIT EasyID Verifier Unit Transport Case 610x520x350mm³ (LxWxH) for AIT EasyID Verifier Unit (Item no. 111121) and stand (Item no. 111157)</p>	
042461 (optional)	<p>The testing card contains conformance test symbols in the form of data matrix symbols with intentional errors to verify the reporting functions of the tester and document conformance.</p>	
000187 (optional)	<p>Maintenance flatrate Mechanical check, electrical check and software update</p>	