



Worker assistance system ifm mate

IFM MATE WORKER ASSISTANCE



Application

Application	packaging, Montieren und Trainieren an Handarbeitsplätzen
Packaging	Visualization of defined work steps in real time
	Warning in case of deviation from the defined workflow
	Individual guidance through the process, oriented to the speed and working method of the worker
Assembling	Guidance for manual gripping processes in real time
	Showing digital assembly information matching the current gripping sequence
	Warning in case of non-compliance with the specified workflow
	Flexible deployment of employees in various assembly processes

OXZ100



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Training	Guiding the employee through the complete workflow		
	Providing detailed work instructions matching the gripping sequence		
	Individual adaptation of the system speed to the worker's learning progress		
Content description	matching components incl. wiring and power supply		
Outputs			
Number of video outputs	1; (HDMI: 1)		
Monitoring range			
Field of view size [mm]	Operating distance	Field of view	
	1000	1300 x 700	
	1500	2000 x 1100	
	2000	2700 x 1500	
Operating distance [mm]	1000...2000		
Software / programming			
Language	German; English		
Interfaces			
Communication interface	Ethernet; USB		
Number of Ethernet interfaces	3; (POE: 2x; LAN: 1x)		
Number of USB interfaces	5; (4 x USB 3.2; 1 x Micro USB 2.0 (OS-flash))		
Operating conditions			
Ambient temperature [°C]	0...55		
Storage temperature [°C]	-40...70		
Max. relative air humidity [%]	90; (40 °C non condensing)		
Protection	IP 66; (2D/3D camera)		
Mechanical data			
Weight [g]	2775		
Hardware			
Chip set	NVIDIA Jetson XAVIER NX		
Processor	6 Core ARM Carmel V8.2 64bit CPU 6MB L2 + 4MB L3		
Working memory	8 GB LPDDR4x		
Mass storage	16 GB eMMC		
Accessories			
Items supplied	Box PC; 1, including preinstalled ifm mate software and power supply, ZJF026		
	2D/3D camera: 1, E21334		
	Ethernet cable: 1 x M12 - RJ45; 5 m, PUR, E12632		
Remarks			
Remarks	For using the system a touch monitor is required which can be ordered as an option.		
Pack quantity	1 pcs.		