



Application	
Application	packaging, Montieren und Trainieren an Handarbeitsplätzen
Packaging	Visualisation 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



Worker assistance system ifm mate

IFM MATE WORKER ASSISTANCE

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)				
Detection zone					
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; HDMI				
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.				