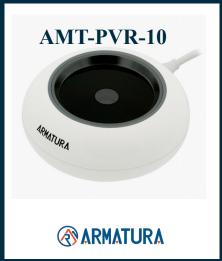# ID Force ID-AMT-PVR-10

USB Connected Palm Reader

AMT-PVR-10 is an intelligent and robust biometric module capable of identifying individuals via their palms. Owing to its unique high dynamic range (HDR) sensor utilizing Near Infrared (NIR) – it can capture grayscale in high definition and high contrast, while also allowing users to comfortably position their palm thanks to its wide field-of-view (Horizontal: 37°; Vertical: 48°; Diagonal: 58°) and recognition angle (roll ± 60°, pitch ± 30°), facilitating fast, convenient enrollment and user authentication. Integrated with Armatura's state-of-the-art AMT-PalmLite and AMT-PalmPro, AMT-PVR-10 works great under various lighting conditions — complete darkness (0.01 lux) to bright sunlight (50,000 lux) even when users are 14 inches away!

AMT-PVR-10

ARMATURA

Hardware Specifications

Interface	USB 2.0
Power Supply	DC 5.0V / 400mA
Power Consumption	≤ 0.85 W (standby); ≤ 2.0W (operation)
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F
Storage Temperature	-20°C ~ 80°C / -4°F ~ 176°F
Operating Humidity	0 ~ 90% RH
Dimensions	(D*H) 83 (D) * 34 (H) mm (±1mm)
USB Cable Length	1.0 m / 3.3 ft
Indicator LED	Red, Green, Blue
Certification	CE, FCC, RoHS, WHQL
Accuracy	TBA

Sensor Specifications

CMOS	1/2.7'' HDR CMOS Sensor
Dynamic Range	83 dB
Optical Wavelength	850 nm
Image Type	256 Grayscale Level
Image Resolution	480W * 640H
Default Output Forma	MJPEG
Distortion Rate	≤1%
Field of View	Horizontal: 37°; Vertical: 48°; Diagonal: 58°

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