

KUSAM-MECO®

An ISO 9001:2015 Company

INDUSTRIAL INTRINSICALLY SAFE SMART POCKET INFRA IMAGER MODEL- KM 303 Ex

THINK SAFETY
THINK **KUSAM-MECO®**

Has recently launched the industrial intrinsically safe smart pocket infra imager KM 303 Ex, which has a 120 * 90 high infrared resolution, a 640 * 480 high-definition 3.5-inch screen IPS display, and is clearly visible under strong light. In addition, it is also suitable for outdoor construction, pipeline inspection, etc., and can be used in conjunction with various applications such as OA office systems, inspection positioning systems, data collection systems, etc. Especially suitable for harsh environments with hazardous explosions, such as petroleum, chemical, pharmaceutical, oil depots, tank areas, and other hazardous areas with flammable and explosive gases, facilitating timely communication between users and production and scheduling.

IP Grade: IP54

Ex-mark: Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db

Certificate No.: SYEx24.0286X

FUNCTION

- QR code scanning(optional)
- Design of 120 * 90, 50Hz infrared sensor
- 3.5-inch touch screen display
- 640 * 480 high-definition screen IPS display, clear and visible strong light
- Automatic Fusion of AUF Visible and Infrared Images
- Double injection molding machine casing
- Wi Fi transmission, timely transmission of on-site measurement data and scenarios

All Specifications are subject to change without prior notice.

ELECTRICAL SPECIFICATIONS	
EXPLOSION PROOF CERTIFICATE PARAMETERS	
Ex Marking	Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db
Certificate No.	SYEx24.0286X
Protection Level	IP54
THERMAL IMAGING TECHNICAL PARAMETERS	
Resolving Power	120*90
Field of View Angle	50°*37°/0.5m
Like Element Size	17μm
Range	-20 °C to 150°C /0 °C to 550 °C
Thermal sensitivity	< 0.05 °C @+30 °C /50mk
Visible Light Pixels	2 million pixels
Display Screen	3.5" 640 * 480 pixels, touch screen
Image Display Mode	Infrared image, visible light image, picture in picture function, AUF automatic fusion
Palette	Iron Red, Rainbow, Grey White, White Grey, Blue Red, Hot Cold, Feather Red, Brown
Image Frame Rate	50 Hz
Focusing Method	No focusing
GENERAL PARAMETERS	
Point Analysis	Center point, three manual points
High and Low Temperature Detection and Alarm	Automatically capture the highest and lowest temperatures within the area
Regional Analysis	Three region analysis
Set Command	Unit, Language, Date, Time, Information/Multiple Languages
Storage	Built in 4GB
Video Storage Format	Standard MPEG-4640X480 @ 30fps
Image Storage Format	Standard bpm file, can store more than 6000 sheets
USB Connection	USB type C, can connect to a computer
WIFI	Connect to the app, transfer pictures and videos
Battery	2180mAh, 3.85VDC rechargeable lithium battery, available for 4 hours
PRODUCT INFORMATION	
Dimension	Approx. 80 x 52 x 18mm
Weight	Approx. 130g
Accessories	Packaging box, instruction manual, warranty card, rechargeable lithium battery, USB data cable

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