

Defence and Law Enforcement and Security and Safety Equipment and Supplies; 46											GeM 3.0	
Security Surveillance and Detection; 4617												
Surveillance and detection equipment; 461716												
Digital Keyboard (PTZ Joystick) Controller for PTZ CCTV Cameras, 46171699												
S. No.	Parameter	Field Type	Field Category	LOV							Remarks	Unit
APPLICATION / CONTROLS / INTERFACE/ DISPLAY												
1	Application	Enumerable	Mandatory	Digital Keyboard (Joystick) shall be fully functional, multipurpose keyboard used for controlling the connected PTZ cameras								
2	IP Support	Enumerable	Mandatory	Yes								
3	Variable speed control of pan, tilt & zoom	Enumerable	Mandatory	Yes								
4	Maximum number of cameras supported	Numeric	Golden	Range: 10 to 253							Higher is better	
5	Keyboard Keypad	Enumerable	Mandatory	Electromechanical								
6	Connectivity / interface	Enumerable	Mandatory / Filter	10/100/1000 gigabit ethernet port; RS-485; RS-422; RS-232; USB 2.0; USB 3.0; HDMI							Multi Select	
7	Number of Network Ports	Numeric	Mandatory / Filter	1								
8	Number of Serial Ports	Numeric	Golden	1	2							
9	Number of USB Ports	Numeric	Golden	0	1	2						
10	Number of HDMI Ports	Numeric	Golden	0	1							
11	Input Voltage	Enumerable	Mandatory / Filter	12V DC through AC/DC Power Adopter to work on 230 V ± 10 %, 50 Hz								
12	Compatible make / models of PTZ CCTV Cameras	Text	Mandatory									
13	Built-in Display	Enumerable	Golden	Yes	No							
14	if yes, Display Features	Enumerable	Mandatory / Filter	Colour Display; LCD Display; LED Display; OLED Display; TFT Display; Touch Screen Diplay; Backlit Display; NA							Multi Select	
15	Diplay Size (May indicate '0' if Built-in Display is not available)	Measurable	Golden	Range: 0 to 8								inches

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SALIENT FEATURES												
1	salient Features	Enumerable	Golden	ONVIF Camera supported; Supports Speed step control adjustments; 3-axis (Pan/Tilt/Zoom) Joystick; 4-axis (Pan/Tilt/Zoom/Focus) Joystick; Supports Pan, tilt, rotation, zoom, iris, focus and camera settings; Camera Lens Control; Built in Multi-Protocol support; OSD Menu Supported; Multilingual support; Preset Position, Auto Scan, Auto Pan, Auto Tour & Pattern Auxiliary Functions; Setting and calling the preset, patrol, and pattern; Auto-Search Network; Real time display of the current status; Short circuit & overcurrent protection; Displays system time, monitor number, camera number and operating status;							Multi Select	
ACCESSORIES												
1	Accessories inclusive in the scope of supply	Enumerable	Golden	Suitable AC/DC Power Adapter; RJ-45 data cable (7 meters length); Requisite interface units; Suitable software to customize the keyboard; NA							Multi Select	
GENERIC												
1	Power Consumption	Measurable	Mandatory	Range: 1 to 20							AKBNV	Watt
2	Size (mm x mm x mm)	Text	Mandatory								AKBNV	
3	Weight	Measurable	Mandatory								AKBNV	gram
OPERATING CONDITIONS												
1	Minimum Operating Temperature	Measurable	Mandatory / Filter	0	-5	-10					deg. C	
2	Maximum Operating Temperature	Measurable	Mandatory / Filter	40	50	55					deg. C	
3	Operating Humidity Range - Non-condensing	Enumerable	Mandatory / Filter	10 to 90 %		20 to 80 %						
INSTALLATION & COMMISSIONING												
1	Installation & Commissioning - inclusive in the scope of supply	Enumerable	Golden	Install Digital Keyboard on PC workstation; Integration of Digital Keyboard with cameras, NVR/DVR/PC/VMS software; Demonstration of controlling PTZ camera movement and other features/functions with Digital Keyboard;							Multi Select	

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CERTIFICATIONS												
1	Certifications for safety	Enumerable	Golden	IS, IEC, CE, FCC, UL, EN, NA							Multi Select	
2	Certifications for EMC & Immunity	Enumerable	Golden	CE	FCC	IEC	NA				Multi Select	
3	Availability of Test Reports from Central Govt/ NABL/ILAC accredited lab to prove conformity to the Specifications	Boolean	Golden	Yes	No	ILAC	NA				Multi Select	
4	If Yes, Test Report to be furnished to the Buyer on demand	Enumerable	Mandatory / Filter	Yes	NA							
5	Test Report Number and Date	Text	---									
6	Name and Address of the Lab	Text	---									
WARRANTY												
1	Warranty	Measurable	Golden	1	2	3						year

AKBNV: Allow Key But Not Value