

TECHNICAL DESCRIPTION

The subject of the public procurement procedure is the purchase of 60 pieces 2K x 2K LCD monitors for air traffic control and simulation purposes. In the procedure, the bidder may only offer monitors that are new, not in use, possess the necessary permits, certificates, other documents and are suitable for their intended use.

The bidder must offer a total of 60 pieces products in the public procurement procedure, ie it is not possible to order the quantity requested in two or more types, Cover the product.

Bidder must provide English and / or Hungarian operators and end-user manuals / descriptions for the equipment to be delivered.

Bidder is responsible for the production, testing, packing, delivery and retention of 60 pieces of 2K x 2K LCD monitors, as well as the provision of spare parts and warranties for equipment on the terms and conditions specified in the contract.

Determine the subject of the procurement

2K x 2K color LCD monitors

ANS-III center, 60 pcs

1. General	Color TFT LCD monitor
1.1 Bezel (cabinet) color	Dark gray or black (RAL 7021)
1.2 Front glass	
protective glass, no fully flat	+
clear glass, flicked-free	+
anti-reflective anti glare treatment	+
with high-quality anti-reflective treatment-specular reflection less	+
2. Panel	
2.1 Active screen area	503,808(H)x 503,808(V) mm 19,83x19,83 inch
2.2 Active screen diagonal	712,4mm 28,05"
2.3 Resolution	2048 x 2048 pixels
2.4 Viewable image Size	503,808(H)x 503,808(V) mm 19,83(H) x 19,83(V) inch
2.5 Pixel size /Pitch	0,246 x 0,246mm
2.6 Dot defect	white: 0, black: 0

2.7 Display color	16,7 Mio (24bit)
2.5 Color temperature	adjustable between native, D65 and custom
2.6 Viewing angle (H/V)	>/= 170° (H,V)
2.7 Contrast ratio	typically 1000:1 - 2000:1
2.8 Brightness	150cd/m ² calibrated and stabilized 500cd/m ² max.
2.9 Response time	</= 25ms Tr (black to whitetransition) ms Tf (white to black transition) ms
2.10 Lifetime of backlight system	>/= 100 000 hours
3. Interfacing	
Video signals	2 x DVI-D Dual link 2 x DisplayPort
Cable length 5m	+
4. Controls	
-	OSD
4.1 Front control	+
4.2 Maintenance keypad	+
4.3 Remote control	+
etc.	...
5. Automatic function	
Automatic Phase Adjust	+
backlight aging compensation	+
backlight optical stabilization	+
Auto mains voltage adapt	+
Auto stand by	+
etc.	...
5.1 Remote control function	
display adjustment,	+
settings,	+
control,	+
firmware updates	+
etc.	...
5.2 Features and functions	
OSD languages	English
Communication Protocol	RS232, RS422, USB, TCP/IP (SNMP)
Others	interface: RS232, RS422, TCP/IP, ...

6. Electrical	
	110Vac-230Vac 50-60Hz
6.1 IEC type connector (length 5m)	
built-in power supply	yes
6.2 Power consumption	
	Pacc < 55W 70cd/m ²
	Pnom < 65W stabilized 150cd/m ²
	Pmax < 170W
	Psoftoff < 1W
Dual power supply	yes
7. Environmental	
7.1 Operating temperature	10°C - 40°C
7.2 Operating humidity	30%-80%
8. EMI/EMC	
	EU/IEC/Canada/FCC: limit B, FCC15b classA
9.Safety	
	IEC60950-1, EN60950-1, UL 60950-1cUL60950-1, cUL, CE, IEC320
10. Physical specification	
Outer dimension	< 630mm H < 670mm W
Bezel (frame)	<80mm
9. Mechanical	
desktop without leg	+
10. Warranty	
Full warranty	>2 year
11. Other products supported	
Materials and tools for installation and maintenance	+
Power cord: length 5 m 1 pc / monitor	+
DVI cable: length 5 m (total wired connection) 2 pieces / monitor	+
DisplayPort cable: length 5 m 2 pieces / monitor	+
Functional description, Operating instructions: 1 piece / monitor	+
12. Mounting	
current design	VESA 100 x 100
Possible design with converter (Manufactured by the manufacturer)	VESA 200 x 100 to VESA 100 x 100
13. FAN	without