

GOVERNMENT OF PAKISTAN

FEDERAL INVESTIGATION AGENCY (HQs) INTEGRATED BORDER MANAGEMENT SYSTEM



No. FIA/IBMS/PROCUREMENT/2022-23/247

- 1) The Deputy Director (PPRA) Islamabad
 (With the request to upload the on PPRA website)
- 2) The Deputy Director (IT/FIA)
 (With the request to upload the same on FIA website)

TENDER NOTICE FOR SUPPLY OF CAMERAS

(Single Stage-Two Envelope Bidding Procedure)

Enclosed Please find herewith a tender notice for procurement of Cameras for Integrated Border Management System (IBMS), FIA Islamabad upload in PPRA website & FIA website.

2. This is issued with the approval of competent authority, please.

(ATEEQ JAVED)

Assistant Director (Logistics) 051-9262417

Copy to:

- i. Addl: Director IBMS FIA Hars Islamabad.
- ii. Concerned File



GOVERNMENT OF PAKISTAN

FEDERAL INVESTIGATION AGENCY (HQs) INTEGRATED BORDER MANAGEMENT SYSTEM

M
Date: 02 /11 /2022

No. FIA/IBMS/PROCUREMENT/2022-23/246

TENDER FOR SUPPLY OF CAMERAS

(Single Stage-Two Envelope Bidding Procedure)

Integrated Border Management System (IBMS, FIA) Islamabad invites sealed quotations form firms for the following item. Suppliers/firms registered with Income Tax and Sales Tax Departments and should be on Active Tax Payers List (ATL) of FBR.

Sr.No	Item	Qty
1.	Cameras	02

2. bidding documents Containing detailed specifications, terms & conditions can be obtained from www.fia.gov.pk. Bids shall be submitted in accordance with the instructions in bidding documents, at Logistics Branch (IBMS) FIA HQs on or before 24-11-2022 till 11:00 am. Tender will be opened the same day at 11:30 am. This advertisement is also available on PPRA website at www.ppra.org.pk and FIA website at website at www.fja.gov.pk

(ATEEQ JAVED)
Assistant Director (Logistics)
051-9262417

Copy to:

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CAMERA SPECIFICATIONS

Image Sensor Size Approx. 22.3 x 14.9 mm Approx. 18.0 megapixels RECORDING \$YSTEM Image Type JPEG, RAW/RAW + JPEG Large simultaneous recording possible Pixels Recorded L (Large): Approx. 17.9 megapixels (1584 x 3454) M (Medium): Approx. 8.0 megapixels (1584 x 3454) S (Small 1): Approx. 8.0 megapixels (1592 x 1728) S (Small 2): Approx. 2.5 megapixels (1592 x 1728) S (Small 3): Approx. 2.5 megapixels (1592 x 1728) S (Small 3): Approx. 2.5 megapixels (1592 x 1728) S (Small 3): Approx. 350,000 pixels (720 x 480) RAW: Approx. 17.9 megapixels (15184 x 3454) Rounded to the nearest 100,000. [For the S3, rounded to the nearest 100,000. For the S3, rounded to the nearest 100,000. [For the S3, rounded to the nearest 100,000. [For the S3, rounded to the nearest 100,000.] VIEWFINDER Field of View Coverage Magnification Approx. 0.8 x (-1 m-1 with 50mm lens at infinity) Eyepoint Approx. 21 mm [from eyepice lens center at -1 m-1) AUTOFOCUS (for viewfinder shooting) AF Points Py-point (All AF points support 1/5/6. Cross-type AF with center AF point). Focusing Brightness Range EY 0 - 18 (Center AF point), EY 1 - 18 (Other AF points) (With One-Shot AF, at servo AF, All Focus AF AF-assist Beam EYO-18 (Center AF point), EY 1 - 18 (Other AF points) (With One-Shot AF, at servo AF, All Focus AF AF-assist Beam EXPOSURE CONTROL 63-200 EIT topen-aperture metering Evaluative metering (Inked to all AF points) Partial metering (Inporx. 10% of viewfinder at center) Center-weighted average metering Evaluative metering (Inked to all AF points) Partial metering (1000 - ISO 3200 set automatically maximum ISO speed setable for ISO Auto, or ISO expansion to "It" (equivalent to ISO 12800) SHUTTER Type Electronically-controlled, focal-plane shutter Inport Mode Shotting Speed Max. Burst (Approx.) JPEG Large/Fine: Full, RAW: 6 shots, RAW+JPEG Large/Fine: 5 shots "Figures are based on Camera testing standards (ISO 100 and Standard AF locus and souther continuous shooting All Point indicates that shooting is possible until the cord becom	IMAGE SENSOR				
Effective Pixels RECORDING SYSTEM		CMOS sensor			
Image Type	Image Sensor Size	Approx. 22.3 x 14.9 mm			
Image Type	Effective Pixels				
Pixels Recorded	RECORDING SYSTEM				
M (Medium): Approx. 8.0 megapixels (3456 x 2304) \$1 (small 1): Approx. 4.5 megapixels (2592 x 1728) \$2 (small 2): Approx. 4.5 megapixels (2592 x 1728) \$3 (small 3): Approx. 350.000 pixels (720 x 480) RAW: Approx. 1.79 megapixels (5184 x 3456) Rounded to the nearest 100.000. (For the S3, rounded to the nearest 100.000. (For the S3, rounded to the nearest 100.000.) ViEWFINDER					
S1 (Small 1): Approx. 4.5 megapixels (2592 x 1728) S2 (Small 2): Approx. 2.5 megapixels (1920 x 1280) S3 (Small 3): Approx. 350,000 pixels (1920 x 1280) RAW: Approx. 350,000 pixels (720 x 480) RAW: Approx. 350,000 pixels (720 x 480) RAW: Approx. 17.9 megapixels (5184 x 3456) Rounded to the necrest 100,000. (For the S3, rounded to the necrest 10,000.) VIEWFINDER Field of View Coverage Vertical/Horizontal approx. 95% (with eyepoint approx. 21 mm) Coverage Magnification Eyepoint Approx. 0.8x (-1 m-1 with 50mm lens at infinity) Approx. 21 mm (from eyepiece lens center at -1 m-1) Standard Diopter AUTOFOCUS (for viewinder shooting) AF Points P-point (All AF points support 1/5.6. Cross-type AF with center AF point). Focusing Brightness Range (With One-Shot AF, Al Servo AF, Al Focus AF AF-assist Beam Small series of flashes fired by built-in flash EXPOSURE CONTROL Metering Mode AB-assist Beam Shooting Mode AB-assist Beam Shooting Mode AB-assist Beam Shooting Mode Basic Zone modes: Scene Intelligent Auto, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait Creative Zone modes: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure Basic Zone modes: ISO 100 - ISO 6400 set automatically, creative Zone modes: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure Basic Zone modes: ISO 100 - ISO 6400 set automatically, creative Zone modes: ISO 100 - ISO 6400 set automatically, or ISO expansion to "H" (equivalent to ISO 12800) SHUTTER Drive Mode Single shooting, Continuous shooting, Self-timer with 10-sec, or 2- sec, delay and 10-sec, delay with continuous shooting Max. approx. 3.0 shots/sec. PEG Large/Fine: Full, RAW: 6 shots, RAW+JPEG Large/Fine: 5 shots "Figures are based on Camera testing standards (ISO 100 and Standard Picture Style) using an 8 GB card. "Full" indicartes that shooting is possible until the card becomes	Pixels Recorded				
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Range (With One-Shot AF, at room temperature, ISO 100) AF Operation One-Shot AF, AI Servo AF, AI Focus AF AF-assist Beam Small series of flashes fired by built-in flash EXPOSURE CONTROL Metering Mode 63-zone TTL open-aperture metering Evaluative metering (linked to all AF points) Partial metering (approx. 10% of viewfinder at center) Center-weighted average metering Shooting Mode 8asic Zone modes: Scene Intelligent Auto, Creative Auto, Portrait, Landscape, Close-up, Sports, Food, Night Portrait Creative Zone modes: Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure ISO Speed Basic Zone modes: ISO 100 - ISO 3200 set automatically (Recommended Exposure Index) (whole-stop increments), ISO 100 - ISO 6400 set manually (whole-stop increments), ISO 100 - ISO 6400 set automatically, maximum ISO speed settable for ISO Auto, or ISO expansion to "H" (equivalent to ISO 12800) SHUTTER Type Electronically-controlled, focal-plane shutter 1/4000 sec. to 30 sec. (Total shutter speed range. Available range varies by shooting mode.), Bulb, X-sync at 1/200 sec. DRIVE SYSTEM Single shooting, Continuous shooting, Self-timer with 10-sec. or 2- sec. delay and 10-sec. delay with continuous shooting Continuous Shooting Speed Max. Burst (Approx.) JPEG Large/Fine: Full, RAW: 6 shots, RAW+JPEG Large/Fine: 5 shots * Figures are based on Camera testing standards (ISO 100 and Standard Picture Style) using an 8 GB card. * "Full" indicates that shooting is possible until the card becomes					
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CAMERA SPECIFICATIONS

	LIVE VIEW SHOOTING
Focus Method	Contrast detection (Flexi Zone-Single, Face detection Live mode),
	Phase-difference detection (Quick mode)
	Manual focus (approx. 5x / 10x magnification possible)
Focusing Brightness	EV 1 - 18 (at room temperature, ISO 100)
Range	
Metering Brightness	EV 0 - 20 (at room temperature, ISO 100)
Range	
	MOVIE SHOOTING
Recording Format	MOV
Movie	MPEG-4 AVC/H.264, Variable (average) bit rate
Audio	Linear PCM
Recording Size and	1920x1080 (Full HD) : 30p/25p/24p
Frame Rate	1280x720 (HD): 60p/50p
	640x480 (VGA) : 30p/25p
	30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.98 fps, 60p: 59.94 fps, 50p: 50.00
	fps
Focus Method	Same as focusing with Live View shooting
Focusing Brightness	EV 1 - 18 (at room temperature, ISO 100)
Range	
Metering Brightness	EV 0 - 20 (at room temperature, ISO 100)
Range	
Exposure Control	Auto exposure and manual exposure
ISO Speed	With auto exposure shooting: ISO 100 - ISO 6400 set automatically
(Recommended	With manual exposure: ISO 100 - ISO 6400 set automatically/manually
Exposure Index)	
Video Snapshots	Settable to 2 sec./4 sec./8 sec.
Sound Recording	Built-in monaural microphone
	Sound-recording level adjustable, wind filter provided
	LCD MONITOR
Туре	TFT color liquid-crystal monitor
Monitor Size and Dots	Approx. 6.8 cm (2.7 in.) (4:3) with approx. 230,000 dots
	WIRELESS COMMUNICATIONS
Standards	IEEE 802.11b/g/n
Compliance	
Connection Method	Infrastructure mode*, camera access point mode
	* Wi-Fi Protected Setup supported
Security	Authentication method: Open system, Shared key, WPA/WPA2-PSK
	Encryption: WEP, TKIP, AES
D:	OTHERS
Dimensions (W x H x D)	Approx. 129.0 x 101.6 x 77.1 mm
Weight	Approx. 436 g (Including battery and card),
(CIPA Compliant)	Approx. 389 g (Body only)
Working Temperature	0°C - 40°C / 32°F - 104°F
Range	Working humidity : 85% or less