



GOVERNMENT OF PAKISTAN
FEDERAL INVESTIGATION AGENCY (HQs)
INTEGRATED BORDER MANAGEMENT SYSTEM



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

Date: 02 /11 /2022

- 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.

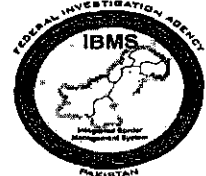
(ATEEQ JAVED)
Assistant Director (Logistics)
051-9262417

Copy to:

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



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Integrated Border Management System (IBMS, FIA) Islamabad invites sealed quotations from 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 www.fia.gov.pk

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CAMERA SPECIFICATIONS

IMAGE SENSOR	
Type	CMOS sensor
Image Sensor Size	Approx. 22.3 x 14.9 mm
Effective Pixels	Approx. 18.0 megapixels
RECORDING SYSTEM	
Image Type	JPEG, RAW/RAW + JPEG Large simultaneous recording possible
Pixels Recorded	L (Large) : Approx. 17.9 megapixels (5184 x 3456) M (Medium) : Approx. 8.0 megapixels (3456 x 2304) 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 (720 x 480) RAW : Approx. 17.9 megapixels (5184 x 3456) <i>Rounded to the nearest 100,000. (For the S3, rounded to the nearest 10,000.)</i>
VIEWFINDER	
Field of View Coverage	Vertical/Horizontal approx. 95% (with eyepoint approx. 21 mm)
Magnification	Approx. 0.8x (-1 m-1 with 50mm lens at infinity)
Eyepoint	Approx. 21 mm (from eyepiece lens center at -1 m-1)
Standard Diopter	Approx. -1.0 m-1 (dpt)
AUTOFOCUS (for viewfinder shooting)	
AF Points	9-point (All AF points support f/5.6. Cross-type AF with center AF point.)
Focusing Brightness Range	EV 0 - 18 (Center AF point), EV 1 - 18 (Other AF points) (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	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
ISO Speed (Recommended Exposure Index)	Basic Zone modes: ISO 100 - ISO 3200 set automatically Creative Zone modes: 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
Shutter Speed	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	
Drive Mode	Single shooting, Continuous shooting, Self-timer with 10-sec. or 2-sec. delay and 10-sec. delay with continuous shooting
Continuous Shooting Speed	Max. approx. 3.0 shots/sec.
Max. Burst (Approx.)	JPEG Large/Fine: Full, RAW: 6 shots, RAW+JPEG Large/Fine: 5 shots <i>* 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 full.</i>

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 Range	EV 1 - 18 (at room temperature, ISO 100)
Metering Brightness Range	EV 0 - 20 (at room temperature, ISO 100)
MOVIE SHOOTING	
Recording Format	MOV
Movie	MPEG-4 AVC/H.264, Variable (average) bit rate
Audio	Linear PCM
Recording Size and Frame Rate	1920x1080 (Full HD) : 30p/25p/24p 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 Range	EV 1 - 18 (at room temperature, ISO 100)
Metering Brightness Range	EV 0 - 20 (at room temperature, ISO 100)
Exposure Control	Auto exposure and manual exposure
ISO Speed (Recommended Exposure Index)	With auto exposure shooting: ISO 100 - ISO 6400 set automatically With manual exposure: ISO 100 - ISO 6400 set automatically/manually
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	
Type	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 Compliance	IEEE 802.11b/g/n
Connection Method	Infrastructure mode*, camera access point mode * <i>Wi-Fi Protected Setup supported</i>
Security	Authentication method: Open system, Shared key, WPA/WPA2-PSK Encryption: WEP, TKIP, AES
OTHERS	
Dimensions (W x H x D)	Approx. 129.0 x 101.6 x 77.1 mm
Weight (CIPA Compliant)	Approx. 436 g (Including battery and card), Approx. 389 g (Body only)
Working Temperature Range	0°C - 40°C / 32°F - 104°F Working humidity : 85% or less