

ಕುವೆಂಪು ಕನ್ನಡ ಅಧ್ಯಯನ ಸಂಸ್ಥೆ ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು-570 006

ಸಂಖ್ಯೆ:ಕು.ಕ.ಅ.ಸಂ/ಹಸ್ತಪ್ರತಿ/663/2026-27

ದಿನಾಂಕ:19-08-2026

ದರಪಟ್ಟಿ ಪ್ರಕಟಣೆ

ವಿಷಯ: ಹಸ್ತಪ್ರತಿಗಳ ಡಿಜಿಟಲೀಕರಣಕ್ಕೆ ಅಗತ್ಯ ಸಲಕರಣೆ, ಉಪಕರಣ ಇತ್ಯಾದಿ ಸಂಬಂಧ ದರಪಟ್ಟಿ ಆಹ್ವಾನಿಸುತ್ತಿರುವ ಬಗ್ಗೆ.

ಕುವೆಂಪು ಕನ್ನಡ ಅಧ್ಯಯನ ಸಂಸ್ಥೆಯಲ್ಲಿರುವ ಹಸ್ತಪ್ರತಿಗಳನ್ನು ಡಿಜಿಟಲೀಕರಣಗೊಳಿಸಲು ಉದ್ದೇಶಿಸಲಾಗಿದ್ದು, ಈ ಸಂಬಂಧ ಕೆಟಿಪಿಪಿ ನಿಯಮಗಳನ್ವಯ ಅಗತ್ಯ ತಾಂತ್ರಿಕ ಪರಿಕರಗಳನ್ನು ಸ್ಪರ್ಧಾತ್ಮಕ ಬೆಲೆಯಲ್ಲಿ ಖರೀದಿಸಬೇಕಾಗಿರುವುದರಿಂದ ಅಧಿಕೃತ ಸರಬರಾಜುದಾರರು, ಆಸಕ್ತ ಮಾರಾಟಗಾರರು ಹಾಗೂ ಸಂಸ್ಥೆಗಳಿಂದ ಕ್ಯಾಮರಾ-01, ಕಂಪ್ಯೂಟರ್(06), ಸ್ಕ್ಯಾನರ್(01), ಪ್ರಿಂಟರ್(02), ವ್ಯಾಕ್ಯೂಮ್ ಕ್ಲೀನರ್(01)ಗಳಿಗೆ ದರಪಟ್ಟಿಯನ್ನು ಆಹ್ವಾನಿಸಲಾಗಿದೆ. ಸಲಕರಣೆ ಹಾಗೂ ಉಪಕರಣಗಳ ಸಂಪೂರ್ಣ ತಾಂತ್ರಿಕ ಮಾಹಿತಿಯನ್ನು ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ (<https://uni-mysore.ac.in/Kannada/home.php>) ಗಮನಿಸುವುದು.

ಆಸಕ್ತ ಮಾರಾಟಗಾರರು/ಸಂಸ್ಥೆಯವರು ಜಿ.ಎಸ್.ಟಿ ಸಂಖ್ಯೆಯನ್ನು ಒಳಗೊಂಡ ದರಪಟ್ಟಿಯನ್ನು ನಿರ್ದೇಶಕರು, ಕುವೆಂಪು ಕನ್ನಡ ಅಧ್ಯಯನ ಸಂಸ್ಥೆ, ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು - 570006 ಇವರಿಗೆ ದಿನಾಂಕ: 27-08-2026 ಸಂಜೆ 4.30 ರೊಳಗೆ ಮುಚ್ಚಿದ ಲಕೋಟೆಯಲ್ಲಿ ಪ್ರತ್ಯೇಕವಾಗಿ ಸಲ್ಲಿಸುವಂತೆ ತಿಳಿಸಲಾಗಿದೆ. ಹೆಚ್ಚಿನ ಮಾಹಿತಿ ಅವಶ್ಯಕವಿದ್ದಲ್ಲಿ ಕಚೇರಿ ವೇಳೆಯಲ್ಲಿ ಖುದ್ದಾಗಿ ಬಂದು ಮಾಹಿತಿ ಪಡೆಯಬಹುದು. ಅಥವಾ ದೂರವಾಣಿ ಸಂಖ್ಯೆ 0821-2419349, 9535736080 ಕರೆ ಮಾಡಿ ಹೆಚ್ಚಿನ ಮಾಹಿತಿ ಪಡೆಯಬಹುದು.

ನಿರ್ದೇಶಕರು

ಸೂಚನಾ ಫಲಕದಲ್ಲಿ
ಪ್ರಕಟಿಸಲು ಕೋರಿದೆ

ಪ್ರತಿ:

1. ಕುಲಸಚಿವರು/ಕುಲಸಚಿವರು (ಪರೀಕ್ಷಾಂಗ), ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮೈಸೂರು.
2. ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು.
3. ನಿರ್ದೇಶಕರು, ಐಸಿಡಿ ವಿಭಾಗ, ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು.
4. ಉಪಕುಲಸಚಿವರು/ಸ. ಕುಲಸಚಿವರು(ಐಡಿಐ), ಆ.ಶಾ., ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮೈಸೂರು.
5. ಕಚೇರಿ ಪ್ರತಿ.

ಕ್ಯಾಮರಾ - 01
Camera - 01
Technical Specifications

Camera Technical Specification	
Lens	
LENS MOUNT	E-mount
Image Sensor	
ASPECT RATIO	3:2
NUMBER OF PIXELS (EFFECTIVE)	Approx. 61.0 megapixels
NUMBER OF PIXELS (TOTAL)	Approx. 62.5 megapixels
SENSOR TYPE	35 mm full frame (35.7 x 23.8 mm), Exmor R CMOS sensor
ANTI-DUST SYSTEM	Charge protection coating on Optical Filter and ultrasonic vibration mechanism
Recording (still images)	
RECORDING FORMAT	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW
IMAGE SIZE (PIXELS) [3:2]	35 mm full frame L: 9504 x 6336 (60 M), M: 6240 x 4160 (26 M), S: 4752 x 3168 (15 M), APS-C M: 6240 x 4160 (26 M), S: 4752 x 3168 (15 M)
IMAGE SIZE (PIXELS) [4:3]	35 mm full frame L: 8448 x 6336 (54 M), M: 5552 x 4160 (23 M), S: 4224 x 3168 (13 M), APS-C M: 5552 x 4160 (23 M), S: 4224 x 3168 (13 M)
IMAGE SIZE (PIXELS) [16:9]	35 mm full frame L: 9504 x 5344 (51 M), M: 6240 x 3512 (22 M), S: 4752 x 2672 (13 M), APS-C M: 6240 x 3512 (22 M), S: 4752 x 2672 (13 M)
IMAGE SIZE (PIXELS) [1:1]	35 mm full frame L: 6336 x 6336 (40 M), M: 4160 x 4160 (17 M), S: 3168 x 3168 (10 M), APS-C M: 4160 x 4160 (17 M), S: 3168 x 3168 (10 M)
IMAGE QUALITY MODES	RAW (Compressed / Lossless Compressed (L / M / S) / Uncompressed), JPEG (Extra fine / Fine / Standard / Light), HEIF (4:2:0 / 4:2:2) (Extra fine / Fine / Standard / Light), RAW & JPEG, RAW & HEIF
PICTURE PROFILE	Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Colour Mode, Saturation, Colour Phase, Colour Depth, Detail, Copy, Reset
CREATIVE LOOK	ST, PT, NT, VV, VV2, FL, IN, SH, BW, SE, Custom Look (1-6)
COLOUR SPACE	sRGB standard (with sYCC gamut), Adobe RGB standard and Rec. ITU-R BT.2100 standard (BT.2020 gamut). ²
Recording System (movie)	
VIDEO COMPRESSION	XAVC S: MPEG-4 AVC/H.264, XAVC HS: MPEG-H HEVC/H.265
AUDIO RECORDING FORMAT	LPCM 2ch (48 kHz 16 bit), LPCM 2ch (48 kHz 24 bit) ³ , LPCM 4ch (48 kHz 24 bit) ³ , MPEG-4 AAC-LC 2ch ⁴
USB Streaming	
VIDEO DATA FORMAT	MJPEG, YUV420 ⁵
VIDEO RESOLUTION	3840 x 2160 (15p / 12.5p) / 1920 x 1080 (60p / 50p / 30p / 25p) / 1280 x 720 (30p / 25p)
AUDIO DATA FORMAT	LPCM 2 ch (16 bit 48 kHz)
SIMULTANEOUS INTERNAL RECORDING	

Recording System	
LOCATION INFORMATION LINK FROM SMARTPHONE	
MEDIA	SD memory card, SDHC memory card (UHS-I/II-compliant), SDXC memory card (UHS-I/II-compliant), CFexpress Type A memory card
MEMORY CARD SLOT	SLOT1: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card, SLOT2: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card
RECORDING MODE ON 2 MEMORY CARDS	Simult. Rec, Sort, Auto Switch Media, Copy
Noise Reduction	
NOISE REDUCTION	Long exposure NR: On/Off, available at shutter speeds longer than 1 s, High ISO NR: Normal / Low / Off
White Balance	
WHITE BALANCE MODES	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Colour Temperature (2,500 to 9,900 K) & colour filter / Custom
SHUTTER AWB LOCK	Shut. Halfway Down / Cont. Shooting / Off
Focus	
FOCUS TYPE	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
FOCUS SENSOR	Exmor R® CMOS sensor
FOCUS POINT	35 mm full frame: 693 points (phase-detection AF), APS-C mode with FF lens: 693 points (phase-detection AF), with APS-C lens: 567 points (phase-detection AF) / 25 points (contrast-detection AF)
FOCUS SENSITIVITY RANGE	EV-4 to EV20 (ISO 100 equivalent with F2.0 lens attached)
FOCUS MODE	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
FOCUS AREA	Wide / Zone / Centre Fix / Spot / Expand Spot / Tracking
EYE AF / SUBJECT RECOGNITION AF	Human (Right/Left Eye Select) / Animal (Right/Left Eye Select) / Bird / Insect / Car / Train / Airplane
OTHER FEATURES	Predictive control, Focus lock, AF Track Sens. (Still), AF Subj. Shift Sensitivity (Movie), AF Transition Speed (Movie), Switch V/H AF Area, AF Area Regist., Circ. of Focus Point, Focus Map (Movie), AF Assist (Movie)
AF ILLUMINATOR	with Built-in LED type
AF ILLUMINATOR RANGE	Approx. 0.3 m–approx. 3.0 m (with FE 28–70 mm F3.5-5.6 OSS lens attached)
Exposure	
METERING TYPE	1200-zone evaluative metering
METERING SENSOR	Exmor R® CMOS sensor
METERING SENSITIVITY	EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
METERING MODE	Multi-segment, Centre-weighted, Spot (Standard/Large), Entire Screen Avg., Highlight
EXPOSURE COMPENSATION	+/-5.0 EV (1/3 EV, 1/2 EV steps selectable)
EXPOSURE BRACKETING	Bracket: Cont., Bracket: Single, 2/3/5/7/9 frames selectable. (Ambient light, Flash light)
AE LOCK	Locked when shutter button is pressed halfway. Available with AE lock button. (On/Off/Auto)
EXPOSURE MODES	AUTO (iAuto), Programmed AE (P), Aperture priority (A), Shutter-speed

	priority (S), Manual (M), Movie (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode), Slow & Quick Motion (Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode)
ISO SENSITIVITY	Still images: ISO 100–32000 (ISO numbers up from ISO 50 to ISO 102400 can be set as expanded ISO range.), AUTO (ISO 100–12800, selectable lower limit and upper limit), Movies: ISO 100–32000 equivalent, AUTO (ISO 100–12800, selectable lower limit and upper limit)
ANTI-FLICKER SHOOT	
View finder	
VIEWFINDER TYPE	1.6 cm (0.64 type) electronic viewfinder (Quad-XGA OLED)
NUMBER OF DOTS	9 437 184 dots
FIELD COVERAGE	100%
MAGNIFICATION	Approx. 0.90x (with 50 mm lens at infinity, -1 m^{-1})
DIOPTRE ADJUSTMENT	-4.0 to $+3.0\text{ m}^{-1}$
EYE POINT	Approx. 25 mm from the eyepiece lens, 21 mm from the eyepiece frame at -1 m^{-1} (CIPA standard)
DISPLAY FUNCTION	Histogram, Real-time image-adjustment display, Digital level gauge, Grid line, Focus check, Peaking MF, Zebra, Movie marker, Emphasized display during REC
FINDER FRAME RATE SELECTION	NTSC mode: STD 60 fps / HI 120 fps, PAL mode: STD 50 fps / HI 100 fps
LCD Screen	
MONITOR TYPE	8.0 cm (3.2-type) type TFT
NUMBER OF DOTS	2,095,104 dots
TOUCH PANEL	
BRIGHTNESS CONTROL	Manual (5 steps between -2 and +2)
ADJUSTABLE ANGLE	Opening Angles (approx.): Up 98 °, down 40 °, side 180 °, rotation 270 °
FOCUS MAGNIFIER	Focus Magnifier (35 mm full frame: 4.7x / 9.3x, APS-C: 3.1x / 6.1x)
Other Features	
CLEAR IMAGE ZOOM	Still images: Approx. 2x, Movies: Approx. 1.5x (4K / 8K), Approx. 2x (HD)
DIGITAL ZOOM	Smart zoom (Still images): 35 mm full frame: M: approx. 1.5x, S: approx. 2x / APS-C: S: approx. 1.3x, Digital zoom (Still images): 35 mm full frame: L: approx. 4x, M: approx. 6.1x, S: approx. 8x, APS-C: M: approx. 4x, S: approx. 5.3x, Digital zoom (Movie): 35 mm full frame: approx. 4x, APS-C: approx. 4x
FACE DETECTION	Modes: Face/Eye Priority in AF, Face Priority in Multi Metering, Regist. Faces Priority
VERTICAL DISPLAY	
Shutter	
TYPE	Electronically-controlled, vertical-traverse, focal-plane type
SHUTTER TYPE	Mechanical shutter / Electronic shutter
SHUTTER SPEED	Still images: 1/8000 to 30 s, Bulb, Movies (NTSC mode): 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode), Movies (PAL mode): 1/8000 to 1/4 (1/3 steps), up to 1/50 in AUTO mode (up to 1/25 in Auto slow shutter mode)
FLASH SYNC. SPEED	1/250 s (35 mm full frame), 1/320 s (APS-C)
ELECTRONIC CURTAIN SHUTTER	FRONT ON/OFF
SILENT SHOOTING	ON/OFF

Image stabilization

TYPE	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)
COMPENSATION EFFECT	8.0 stops (based on CIPA standard. Pitch/yaw shake only. With FE 50 mm F1.2 GM lens mounted. Long exposure NR off.)
Flash Control	
CONTROL	Pre-flash TTL ⁷
FLASH COMPENSATION	+/- 3.0 EV (switchable between 1/3 and 1/2 EV steps)
FLASH MODES	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless ⁸ , Hi-speed sync. ⁸
EXTERNAL FLASH COMPATIBILITY	Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatibility with the Auto-lock accessory shoe
FE LEVEL LOCK	
WIRELESS CONTROL	(Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. / Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)

Drive

DRIVE MODES	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., Focus Bracket, White Balance bracket, DRO bracket
CONTINUOUS DRIVE SPEED (APPROX. MAX.)	Continuous shooting: Hi+: 10 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps
NO. OF RECORDABLE FRAMES (APPROX.)	JPEG Extra fine L: over 1,000 frames, JPEG Fine L: over 1,000 frames, JPEG Standard L: over 1,000 frames, RAW: 583 frames, RAW & JPEG: 184 frames, RAW (Lossless Compressed): 547 frames, RAW (Lossless Compressed) & JPEG: 159 frames, RAW (Uncompressed): 135 frames, RAW (Uncompressed) & JPEG: 88 frames
SELF-TIMER	10 s delay / 5 s delay / 2 s delay / Continuous self-time / Bracketing self-timer / Self-timer (Movie)
PIXEL SHIFT MULTI SHOOTING	4 shots / 16 shots

Playback

PHOTO CAPTURE	
MODES	Single (with or without shooting information Y RGB histogram and highlight / shadow warning), Index view, Enlarged display mode (L: 18.6x, M: 12.2x, S: 9.3x), Auto Review, Image orientation, Folder selection (Date / Still / Movie), Protect, Rating, Display as Group, Shot Mark (Movie), Divider Frame, Crop

Interface

PC INTERFACE	Mass-storage / MTP
MULTI/MICRO USB TERMINAL	
USB TYPE-C TERMINAL	Super Speed USB 10 Gbps (USB 3.2) compatible
BLUETOOTH®	Bluetooth Standard Ver. 5.0 (2.4 GHz band)
MULTI INTERFACE SHOE	with Digital Audio Interface
WIRELESS LAN (BUILT-IN)	Wi-Fi Compatible, IEEE 802.11a/b/g/n/ac (2.4 GHz band/5 GHz band)
MIC TERMINAL	3.5 mm Stereo mini jack
SYNC TERMINAL	
HEADPHONE TERMINAL	3.5 mm Stereo mini jack
VERTICAL GRIP CONNECTOR	
FUNCTIONS	FTP Transfer Func. (Wired LAN (USB-LAN), USB Tethering, Wi-Fi),

	View on Smartphone, Remote control via Smartphone, PC Remote, BRAVIA Sync (Control for HDMI), PhotoTV HD
Audio	
MICROPHONE	Built-in, stereo
SPEAKER	Built-in, monaural
Print	
COMPATIBLE STANDARDS	Exif Print, Print Image Matching III
Custom Function	
TYPE	Custom key settings, Programmable Setting (Body 9 sets / memory card 12 sets), My Dial Settings, My Menu, Reg Cust Shoot Set
Lens Compensation	
SETTING	Peripheral Shading, Chromatic Aberration, Distortion, Breathing (Movie)
Power	
SUPPLIED BATTERY	One rechargeable battery pack NP-FZ100
BATTERY LIFE (STILL IMAGES)	Approx. 440 shots (Viewfinder) / Approx. 530 shots (LCD monitor) (CIPA standard)
BATTERY LIFE (MOVIE, ACTUAL RECORDING)	Approx. 90 min (Viewfinder) / Approx. 100 min (LCD monitor) (CIPA standard)
BATTERY LIFE (MOVIE, CONTINUOUS RECORDING)	Approx. 145 min (Viewfinder) / Approx. 150 min (LCD monitor) (CIPA standard)
INTERNAL BATTERY CHARGE	USB Type-C Terminal. USB Power Delivery compatible
POWER CONSUMPTION WITH VIEWFINDER	Still images: Approx. 4.5 W (with FE 28–70 mm F3.5–5.6 OSS lens attached), Movies: Approx. 6.8 W (with FE 28–70 mm F3.5–5.6 OSS lens attached)
POWER CONSUMPTION WITH LCD SCREEN	Still images: Approx. 3.7 W (with FE 28–70 mm F3.5–5.6 OSS lens attached), Movies: Approx. 6.6 W (with FE 28–70 mm F3.5–5.6 OSS lens attached)
USB POWER SUPPLY	USB Type-C Terminal. USB Power Delivery compatible
Others	
OPERATING TEMPERATURE	0–40 °C (32–104 °F)
Size and Weight	
WEIGHT (WITH BATTERY AND MEMORY CARD INCLUDED)	Approx. 723 g (approx. 1 lb 9.6 oz)
DIMENSIONS (W X H X D)	Approx. 131.3 x 96.9 x 82.4 mm, approx. 131.3 x 96.9 x 72.3 mm (FROM GRIP TO MONITOR) (approx. 5.17 x 3.81 x 3.24, approx. 5.17 x 3.81 x 2.85 (FROM GRIP TO MONITOR))

ಕಂಪ್ಯೂಟರ್‌ಗಳು - 06

Model 1 –Computers - 03

Technical Specifications for Computer

Sl.No	Item	Specification
1	Processor	AMD Ryzen™ 9 7950X (Zen 4 architecture, TSMC 5nm FinFET compute dies, 16 physical Cores, 32 Threads, 4.5 GHz base frequency, up to 5.7 GHz Max Boost Clock, 80MB total cache [64MB L3 + 16MB L2], native AVX-512 instruction set support).
2	Chassis	Fractal Design Torrent Full ATX (High-airflow layout, open-front design, top-mounted PSU compartment, supporting large discrete GPUs and up to 360mm/420mm liquid cooling radiators. Equipped with high-airflow intake fans).
3	Chipset	AMD X670 Extreme (X670E) dual-chipset platform, supporting PCIe 5.0 lanes for graphics and storage expansion.
4	Memory	64 GB Dual-Channel DDR5 (G.Skill Trident Z5 Neo, 2 × 32 GB configuration, running at DDR5-5600 MT/s, CL36 latency, pre-programmed with AMD EXPO profile support. System upgradeable up to 192 GB across 4 DIMM slots).
5	Primary Storage (OS + Models)	2TB PCIe Gen 4.0 x4 NVMe M.2 2280 SSD (WD Black SN850X or better, up to 7,300 MB/s sequential read, 6,600 MB/s sequential write, with physical onboard DRAM cache).
6	Secondary Storage (Datasets)	4TB PCIe Gen 4.0 x4 NVMe M.2 2280 SSD (WD Blue SN5000 or better, up to 5,150 MB/s sequential read, 4,900 MB/s sequential write, single-sided design).
7	Graphics	Integrated AMD Radeon™ Graphics (2 GPU cores, base frequency 2200 MHz) with direct motherboard output support. (Provisioned for PCIe 5.0 x16 high-performance discrete GPU acceleration).
8	Audio	Onboard ROG SupremeFX ALC4080 7.1 Surround Sound High Definition Audio Controller with integrated Savitech SV3H712 amplifier and auto-impedance sensing.
9	Operating System	Windows 11 Pro 64-bit (Pre-installed, configured, and licensed).
10	Networking	Intel® 2.5 Gb Ethernet Controller + Onboard Wi-Fi 6E (802.11ax) dual-band (2.4/5/6 GHz) and Bluetooth v5.2.
11	Ports	Motherboard Back Panel I/O: 1 × USB 3.2 Gen 2x2 Type-C, 9 × USB 3.2 Gen 2 (7 × Type-A + 2 × Type-C), 2 × USB 2.0, 1 × HDMI 2.1, 1 × DisplayPort 1.4, 1 × Optical S/PDIF Out, 5 × Audio Jacks. Front Chassis panel: Supports high-speed USB 3.2 Gen 2x2 Type-C, USB 3.2 Gen 1, and Audio I/O.
12	Motherboard Slots & Bays	Slots: 1 × PCIe 5.0 x16 SafeSlot (x16 mode), 1 × PCIe 4.0 x16 (x4 mode), 1 × PCIe 3.0 x1. Bays/M.2: 4 × M.2 slots (2 × PCIe 5.0 x4, 2 × PCIe 4.0 x4), all integrated with heavy aluminum thermal heatsinks.
13	CPU Cooling System	DeepCool LT520/LT720 High-Performance Liquid AIO (Multi-fan 240mm/360mm aluminum radiator, 4th generation high-efficiency pump at 3100 RPM, Fluid Dynamic Bearing [FDB] pressure-optimized fans, multidimensional infinity mirror block cap).
14	Power Supply	Corsair RM1000x 1000W (80+ Gold certified, fully modular design, 100% premium Japanese 105°C-rated industrial capacitors, ATX 12V compliance, backed by 10-year manufacturer warranty).
15	Security Management &	Hardware-based TPM 2.0 integrated security controller. Features ASUS Aura Sync, UEFI BIOS FlashBack™ button, and Clear CMOS button. Overcurrent and thermal VRM protection.
16	Certifications	FCC, CE, RoHS, UL, EPEAT, Energy Star, ISO 9001/14001/27001 manufacturing compliance.
17	Display	ASUS ProArt PA279CRV 27" 4K IPS professional-grade display (3840 × 2160 native resolution, 99% Adobe RGB & 99% DCI-P3 color gamut, factory-calibrated Delta E < 2, TCO Certified, USB-C input with 96W Power Delivery support).
18	Warranty	3 Years Onsite Warranty on the overall system core (with respective individual component warranty extensions such as 5 years on NVMe storage and 10 years on the Power Supply).
19	OEM MAF	OEM Ink-Signed Manufacturer Authorization Form (MAF) specific to this procurement system to be submitted along with the bid compliance documentation.

Model 2 –Computers - 03

Technical Specifications for Computer

Sl.No	Item	Specification
1	Processor	14th Gen Intel® Core™ i7-14700K (LGA1700 socket, 20 Cores [8 Performance-cores + 12 Efficient-cores], 28 Threads, 3.4 GHz base frequency, up to 5.6 GHz Max Turbo Boost frequency, 33MB Intel® Smart Cache, unlocked multiplier for performance tuning).
2	Chassis	High-performance Mid-Tower / Tower chassis, engineered with optimized ventilation, multi-fan cooling layout, and clearance for large high-end dedicated graphic cards and liquid CPU coolers.
3	Chipset	Intel® Z790 Chipset (Premium desktop grade supporting PCIe 5.0 and high-speed USB 3.2 Gen 2x2 pipelines).
4	Memory	16 GB Dual-Channel DDR5 (High-speed modules up to 5600 MT/s, supporting Intel® Extreme Memory Profile [XMP], upgradeable up to 192 GB across 4 DIMM slots).
5	Storage	1TB M.2 2280 PCIe Gen 4 x4 NVMe SSD (WD Black SN850X or better, delivering up to 7,300 MB/s sequential read speeds, equipped with onboard DRAM cache).
6	Graphics	Intel® UHD Graphics 770 (Integrated graphics with high-performance 3D engine, support for HDR output up to 8K resolution, and multi-display management).
7	Audio	Onboard ROG SupremeFX ALC4080 High-Definition Audio Codec paired with a Savitech SV3H712 Amplifier (supporting auto-impedance sensing for premium audio monitoring).
8	Operating System	Windows 11 Pro 64-bit (Pre-installed and licensed).
9	Networking	Onboard Intel® 2.5 Gb Ethernet Controller + Onboard Wi-Fi 6E (802.11ax) with 2.4/5/6 GHz tri-band support and Bluetooth v5.2/5.3.
10	Ports	Rear Panel: 1 × DisplayPort, 1 × HDMI, 1 × USB 3.2 Gen 2x2 (Type-C, 20Gbps), 3 × USB 3.2 Gen 2 (2 × Type-A + 1 × Type-C), 4 × USB 3.2 Gen 1 (Type-A), 4 × USB 2.0, 1 × Optical S/PDIF Out, gold-plated audio jacks. Front Header: Supports high-speed USB Type-C with up to 30W Fast Charge / Power Delivery 3.0.
11	Bays	Minimum 2 × 3.5" Internal HDD drive bays or 2 × 2.5" SSD mounting brackets.
12	Keyboard	Professional USB Wired Keyboard.
13	Mouse	USB Optical Wired Scroll Mouse.
14	Power Supply	750W 80+ Gold Certified fully modular power supply or better (delivering up to 90% efficiency under standard loads to safely sustain the unlocked K-series CPU power spikes).
15	Security	Hardware-based Endpoint security controller TPM 2.0 , Chassis intrusion sensor support, ASUS SafeSlot protection, physical Clear CMOS button, and BIOS FlashBack™ button for secure offline recoveries.
16	Certifications	Microsoft Windows 11, FCC, CE, RoHS, UL, EPEAT, Energy Star, ISO 9001, 14001, and 20001/27001 manufacturing standards. OEM should be listed in top 3 OEMs in last 4 Quarters.
17	Display	27" Professional IPS Panel Monitor (Minimum resolution of 2560 × 1440 [QHD] or higher, Delta E < 2 factory-calibrated color accuracy, 100% sRGB or Adobe RGB color space coverage , TCO Certified, featuring HDMI and DisplayPort inputs).
18	Warranty	3 Years Onsite Warranty on the overall system core (with respective individual retail component warranties like 5 years on the WD SSD).
19	OEM MAF	OEM Ink Signed MAF (Manufacturer Authorization Form) specific to this tender along with compliance of OEM letter should be submitted.

CZUR ET24 Pro Professional Book Scanner - 01

Technical Specification

Sl.No	System Category	Specifications
1	Product Type & Optics	Product Type: Professional Overhead Smart Book and Document Scanner. Optical Sensor: High-performance CMOS sensor delivering 24 Megapixels (5696 × 4272 native pixel array). Resolution Parameters: Default optical scanning density of 320 DPI with 24-bit true color depth.
2	Scanning Capacity & Speed	Maximum Document Size: Handles media layouts up to standard A4 & A3 formats (297 × 297 mm bounding area). Thickness Threshold: Supports thick bound volumes, magazines, reference texts, and archives up to 50 mm thick. Operational Throughput: Ultra-fast processing engine executing at 1.5 seconds per scan (dual facing pages scanned concurrently).
3	Flattening Correction & Technology	Core Image Algorithms: Embedded with 3rd Generation Patented Curve-Flattening Technology that automatically flattens page curvature distortions caused by book bindings. Smart Corrections: Automated page tilt/skew adjustments, intelligent edge trimming, and software-driven digital finger-removal algorithms.
4	Illumination Engineering	Dual Light Architecture: Built-in 2-level adjustable overhead white LED array combined with an attachable low-angle magnetic Side Light assembly. Glare Mitigation: Engineered specifically to eliminate cross-reflections and shadow interference when digitizing glossy documents, laminated covers, or high-sheen photo prints.
5	Interface Protocols & Video Out	Hardware Connections: 1 × High-Speed USB 2.0 interface for computer connection. Visual Presenter Capability: Onboard HDMI output port supporting direct display interface streams up to 1920 × 1080p @ 60Hz/50Hz. Enables real-time presentation, streaming, and classroom document projecting with high FPS transmission.
6	Software & Smart Operations	Triggering Framework: Flexible workflow operation supporting hand control buttons, a modular heavy-duty foot pedal, software UI triggers, and auto-page-turn detection engines. Image Management: Automated left/right page splitting into individual files and customizable rule presets for file batch renaming.
7	OCR & Multi-Language Support	OCR Engine: Factory bundled with a lifetime-free, commercial-grade ABBYY® OCR engine integration. Linguistic Processing: Capable of converting raw images into editable and searchable PDFs, Microsoft Word files, Excel sheets, and raw TIFFs across 180+ languages.
8	System Compatibility	Cross-Platform Support: Fully driver-certified and native software compliant with Windows (XP/7/8/10/11, both 32-bit and 64-bit architectures), macOS (10.13 and above), and modern Linux environments.
9	Physical Profile & Power	Form Factor: Lightweight desktop footprint (362.45 × 351.5 × 149.3 mm operational volume) with a physical weight of 1.5 kg for modular relocation. Power Delivery: Universal external power adapter (Input: AC 100-240V, 50/60Hz; Output: DC 9V/1.5A).
10	Warranty Compliance & Standards	Procurement Parameters: Covered under a 1-Year Comprehensive Warranty framework. Manufacturing compliance includes full CE, FCC, RoHS, and ISO 9001 quality system adherence. An ink-signed Manufacturer Authorization Form (MAF) specific to this bidding tender tracking node must be enclosed inside the technical packet.

Color LaserJet Multifunction Printer - 01

Technical Specification

Sl.No	System Category	Specifications
1	Core Functions & Print Engine	Product Type: Heavy-duty, network-ready Color Laser Jet Multifunction Printer (Print, Scan, Copy, and Fax functionality). Print Technology: Laser beam electro photographic printing with dry toner system. Print Speed: Minimum 25 to 35 Pages Per Minute (PPM) in both monochrome (black) and full color on A4 size media. Duty Cycle: Monthly duty cycle of minimum 40,000 to 50,000 pages with an optimal monthly print volume of 2,500 pages.
2	Resolution, Memory & Processing	Print Resolution: Native engine resolution of minimum 1200 × 1200 dpi or higher for crisp vector text and precise high-fidelity graphic reproduction. Processor & Memory: High-performance processor running at minimum 800 MHz paired with a minimum 1 GB base memory (RAM) to handle complex vector documents, multi-page data queues, and local system operations smoothly.
3	Scanner & Copy Specifications	Scanner Type: Integrated Flatbed and Automatic Document Feeder (ADF) scanner utilizing Charge-Coupled Device (CCD) or Contact Image Sensor (CIS) arrays. ADF Capacity: Minimum 50-sheet ADF with support for Automatic Duplex (Double-sided) Scanning. Scan Resolution: Optical scan resolution of minimum 1200 × 1200 dpi flatbed / 600 × 600 dpi ADF. Scan Features: Support for Scan-to-Email, Scan-to-Network Folder, Scan-to-USB, and file outputs in searchable PDF, TIFF, and JPEG formats.
4	Paper Handling & Connectivity	Media Management: Minimum 250-sheet primary input cassette tray, 50-sheet multipurpose bypass tray, and standard Automatic Duplex Printing. Supports paper weights from 60 g/m^2 to 200 g/m^2 (A4, A5, Legal, Letter). Interface Ports: 1 × High-Speed USB 2.0 device host port, 1 × Gigabit Ethernet (10/100/1000 Base-TX) network interface, and onboard Wi-Fi 802.11b/g/n with Direct Wireless Print capabilities.
5	Security, Compliance & MAF	System Security: Secure boot validation, firmware integrity verification, IP/MAC address filtering, secure print access via PIN codes, and embedded TPM/SSL network encryption. Certifications: CE, RoHS, Energy Star, EPEAT, and ISO 9001/14001/27001 manufacturing standards. Warranty & Support: 1-Year Comprehensive Onsite Warranty covering the engine, optical scanner assembly, and internal circuit boards. Ink-signed Manufacturer Authorization Form (MAF) explicit to this tender must be enclosed within the technical bid submission.

HP Black & White Laser Printer - 01

Technical Specification

Sl.No	System Category	Specifications
1	Product Type & Print Engine	Product Type: Compact Single-Function (Print Only) Desktop Monochrome Laser Printer. Print Technology: Laser beam electrophotographic printing utilizing a single high-yield black dry toner/drum system. Print Speed: Minimum 20 to 30 Pages Per Minute (PPM) on standard A4 size media. Duty Cycle: Monthly duty cycle of minimum 10,000 to 15,000 pages to handle regular office printing workloads.
2	Resolution & Processing Performance	Print Resolution: Native hardware print engine resolution of minimum 1200 × 1200 dpi (or 600 × 600 dpi with software enhancement) ensuring crisp text, fine lines, and clear barcode output. Processor & Memory: Integrated processor running at a minimum of 400 MHz paired with a minimum 64 MB to 256 MB base memory (RAM) to process text-heavy documents and multi-page print queues cleanly without system stalling.
3	Paper Handling Capacity	Media Management: Equipped with a minimum 150-sheet primary input paper cassette tray and a 100-sheet face-down output bin. Media Support: Seamless handling of standard paper sizes including A4, A5, A6, B5, Legal, and Letter, supporting standard paper weights ranging from \$60\text{ g/m}^2\$ to \$120\text{ g/m}^2\$. Includes manual or automatic duplex (double-sided) printing support.
4	Connectivity & Interface	Hardware Ports: 1 × High-Speed USB 2.0 device port for direct local computer connectivity. Network Integration (Optional but Preferred): 1 × Fast Ethernet (10/100 Base-TX) port and built-in Wi-Fi 802.11b/g/n wireless connectivity to allow shared access across multiple workspace desktops. Supports mobile print command capabilities (e.g., Mopria, Air Print).
5	Security, Compliance & MAF	System Protocols: Standard embedded security verification, secure data handling over network connections, and energy-saving sleep modes. Certifications: CE, RoHS, Energy Star, and ISO 9001/14001 manufacturing quality standards. Warranty & Support: 1-Year Comprehensive Onsite Warranty covering the laser engine, fuser assembly, and internal circuitry. An ink-signed Manufacturer Authorization Form (MAF) explicit to this tender must be submitted with the technical bid envelope.

Vacuum Cleaner - 01

Technical Specification

Sl.No	System Category	Specifications
1	Core Profile & Performance	Product Type & Design: Heavy-duty, high-performance Commercial/Industrial Wet and Dry upright canister vacuum cleaner mounted on a heavy-duty 4-caster wheel plate array for 360-degree mobility. Capacity & Weight: Container/Drum capacity of minimum 15 Litres (gross volume), with a net machine empty weight profile of 10 kg to 12.6 kg to ensure ergonomic portable handling.
2	Motor Dynamics & Suction	Motor Configuration: High-efficiency, low-noise bypass electric motor with 1200 Watts input power. Suction Power: Minimum static vacuum pressure of ≥ 200 mBar (20 kPa). Airflow Rate: Minimum airflow capacity of 53 Litres/second ($190 \text{ m}^3/\text{hr}$) to pull heavy wet/dry refuse.
3	Structure & Filtration	Drum Construction: Heavy-gauge, impact-resistant Stainless Steel (SS) outer tank body featuring quick-release mechanical locking latches and an integrated drainage setup. Filtration Setup: Multi-stage filtration featuring a high-efficiency, washable/reusable HEPA/EPA cartridge filter (0.3-micron efficiency) and an automatic float shut-off safety valve for wet extraction motor protection.
4	Power & Accessories	Electrical Parameters: Single-Phase, 220V–240V AC, 50 Hz supply with a minimum 7 to 10 Meter heavy-duty insulated copper power cord. Accessory Toolkit: Supplied out-of-the-box with 1× flexible suction hose (min 2.5m), 2× chrome-plated steel extension wands, 1× wet squeegee floor nozzle, 1× dry carpet/floor brush nozzle, 1× crevice tool, and 1× round upholstery brush.
5	Safety, Compliance & MAF	Safety & Operations: Auto-cutoff thermal overload motor protection, anti-static grounding chain, and IPX4 splash-proof rating. Compliance & Brands: CE, RoHS, ISO 9001/14001 certified. OEM must be an established brand (e.g., Karcher, Nilfisk, Roots, Eureka Forbes). Warranty & MAF: 1-Year Comprehensive Warranty covering the motor and internal circuitry. Ink-signed Manufacturer Authorization Form (MAF) explicit to this specific bidding procurement tender must be submitted inside the technical bid envelope.