

采购技术参数

一、采购标的

| 序号 | 商品名称 | 数量 | 要求 |
|----|--|----|------|
| 1 | 中画幅相机（机身）（原装标配锂离子电池、交流电源适配器、插头适配器、USB 数据线、肩背带、机身盖、热靴盖、存储卡槽盖、线缆保护器） | 1 | 详见参数 |
| 2 | 镜头 GF20-35mm F4 R WR | 1 | |
| 3 | 镜头 GF55mm F1.7 R WR | 1 | |
| 4 | 镜头 GF110mm F2 R LM WR | 1 | |
| 5 | 原装锂离子电池 (2250mAh) | 1 | |
| 6 | 128GB SD 卡 UHS-II 双芯高速存储卡 V60 读速 280MB/s 写速 100MB/s | 1 | |
| 7 | 64GB CFexpress Type B 存储卡 V90 U3 读速 1500MB/s 写速 800MB/s | 1 | |
| 8 | CFexpress Type-B 读卡器 支持 USB Type-C 接口高速读取 内含 USB-C 连接线 | 1 | |
| 9 | 三代 mcuv 镜 77mm | 2 | |
| 10 | 三代 mcuv 镜 67mm | 1 | |
| 11 | MT055XPRO3 单反铝合金三脚架+MHXPRO-BHQ6 球型云台+原装脚架包 | 1 | |
| 12 | 单肩相机包 MB MN-M-SD-10 | 1 | |

二、中画幅相机机身参数

| 序号 | 设备名称 | 参数 |
|----|----------------------------|---|
| 1 | Lens Mount | G mount |
| 2 | Image Sensor | 43.8mmx32.9mm GFX 102MP CMOS 11 with primary color filter |
| 3 | Number Of Effective Pixels | 102 million pixels |
| 4 | Sensor cleaning System | Ultra Sonic Vibration |
| 5 | Image Processing Engine | X-Processor 5 |
| 6 | Storage Media | SD Card (-2GB) SDHC Card (-32GB) SDXC Card (-2TB) UHS-I UHS-II Video Speed Class V90 SSD (-2TB) |
| 7 | File Format Of Still Image | DCF Compliant with Design rule for Camera File system (DCF2.0) JPEG Exif Ver.2.32 |

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| | | HEIF 4:2:2 10bit RAW 14bit / 16bit RAW (RAF original format) TIFF 8bit / 16bit RGB (In-camera Raw Conversion Only) Notes *Exif 2.32 is a digital camera file format that contains a variety of shooting information for optimal printing |
| 8 | Number Of Recorded Pixels | [L]4:3: 11648 x 8736 3:2: 11648 x 7768 16:9: 11648 x 6552 1:1: 8736 x 8736 65:24: 11648 x 4304 5:4: 10928 x 8736 7:6: 10192 x 8736 [M]4:3: 8256 x 6192 3:2: 8256 x 5504 16:9: 8256 x 4640 1:1: 6192 x 6192 65:24: 8256 x 3048 5:4: 7744 x 6192 7:6: 7232 x 6192 [S]4:3: 4000 x 3000 3:2: 4000 x 2664 16:9: 4000 x 2248 1:1: 2992 x 2992 65:24: 4000 x 1480 5:4: 3744 x 3000 7:6: 3504 x 3000 |
| 9 | Sensitivity | Still Image Standard Output: AUTO1 AUTO2 AUTO3 ISO80~12800 (1/3 step) Extended Output ISO40 ISO25600 ISO51200 ISO102400 Movie Standard Output AUTO ISO100~12800 (1/3 step) Extended Output ISO25600 |
| 10 | Exposure Control | TTL 256-zone metering Multi Spot Average Center Weighted |
| 11 | Exposure Mode | P (Program AE) A (Aperture Priority AE) S (Shutter Speed Priority AE) M (Manual Exposure) |
| 12 | Exposure Compensation | Still -5.0EV~+5.0EV 1/3EV step Movie -2.0EV~+2.0EV 1/3EV step |
| 13 | Image Stabilizer | Mechanism Image sensor shift mechanism with 5-axis compensation Compensation Effect 8.0 stops Digital Image Stabilization Yes (movie mode only) IS MODE BOOST Yes (movie mode only) |
| 14 | Shutter Type | Focal Plane Shutter |
| 15 | Shutter Speed | Mechanical Shutter P Mode: 30sec. to 1/4000sec. A Mode: 30sec. to 1/4000sec. S/M Mode: 60min. to 1/4000sec. Bulb: up to 60min. |
| 16 | Electronic Shutter | P Mode: 30sec. to 1/16000sec. A Mode: 30sec. to 1/16000sec. S/M Mode: 60min. to 1/16000sec. Bulb: up to 60min. Notes:*The Electronic Shutter may not be suitable for fast-moving objects or handheld shooting. Flash can not be used. |
| 17 | Mechanical+ Electronic Shutter | P Mode: 30sec. to 1/16000sec. A Mode: 30sec. to 1/16000sec. S/M Mode: 60min. to 1/16000sec. Bulb: up to 60min. Notes:*Mechanical shutter works until 1/4000sec. *The Electronic Shutter may not be suitable for fast-moving objects or handheld shooting. Flash can not be used. |
| 18 | E-Front+ Mechanical Shutter | P Mode: 30sec. to 1/4000sec. |

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| 19 | E-Front+ Mechanical +Electronic Shutter | P Mode: 30sec. to 1/16000sec. |
| 20 | Movie | 4K/DCI4K: 1/4000sec. to 1/8 sec. FHD:1/4000sec. to 1/8 sec. Notes:*Cannot choose slower shutter speed than framerate for some settings. |
| 21 | Synchronized Shutter Speed For Flash | Mechanical Shutter:1/125sec. or slower |
| 22 | Continuous Shooting CH Electronic Shutter Approx. 4.1fps (35mm Format Mode ON) | JPEG:1000+ frames Compressed RAW:1000+ frames Lossless Compressed RAW:96 frames Uncompressed RAW:24 frames Compressed RAW + JPEG:95 frames Lossless Compressed RAW + JPEG:51 frames Uncompressed RAW + JPEG:15 frames |
| 23 | Electronic Shutter Approx. 3.0fps | JPEG:1000+ frames Compressed RAW:508 frames Lossless Compressed RAW:45 frames Uncompressed RAW:20 frames Compressed RAW + JPEG:41 frames Lossless Compressed RAW + JPEG:29 frames Uncompressed RAW + JPEG:16 frames |
| 24 | Mechanical Shutter Approx. 7.0fps | JPEG:184 frames Compressed RAW:30 frames Lossless Compressed RAW:19 frames Uncompressed RAW:16 frames Compressed RAW + JPEG:16 frames Lossless Compressed RAW + JPEG:14 frames Uncompressed RAW + JPEG:12 frames |
| 25 | Mechanical Shutter Approx. 5.0fps | JPEG:526 frames Compressed RAW:46 frames Lossless Compressed RAW:22 frames Uncompressed RAW:17 frames Compressed RAW + JPEG:20 frames Lossless Compressed RAW + JPEG:16 frames Uncompressed RAW + JPEG:12 frames |
| 26 | CL Mechanical Shutter Approx. 2.0fps | JPEG:1000+ frames Compressed RAW:1000+ frames Lossless Compressed RAW:337 frames Uncompressed RAW:26 frames Compressed RAW + JPEG:312 frames Lossless Compressed RAW + JPEG:42 frames Uncompressed RAW + JPEG:20 frames Notes:*Electronic Front Curtain Shutter support CL only. *No. of recordable frames are calculated based on a cold start *Recordable frames depends on recording media *Speed of continuous shooting depends on shooting environment and shooting frames |
| 27 | Drive Mode | AE Bracketing:2 frames、3 frames、5 frames、7 frames、9 frames |
| 28 | Filmsimulation Bracketing | Any 3 types of film simulation selectable |
| 29 | Dynamic Range Bracketing | 100%、200%、400% |
| 30 | ISO Sensitivity Bracketing | $\pm 1/3EV$ $\pm 2/3EV$ $\pm 1EV$ |
| 31 | White Balance Bracketing | ± 1 ± 2 ± 3 |
| 32 | Focus Bracketing | AUTO MANUAL |
| 33 | Multiple Exposure | Yes (Max. 9 frames) Additive Average Bright Dark |
| 34 | Pixel Shift Multi Shot | Yes |
| 35 | Focus Mode | Single AF Continuous AF MF |

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| 36 | Type | Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF) |
| 37 | AF Frame Selection | Single Point AF:13×9 / 25×17 (Changeable size of AF frame) Zone AF:3×3 / 5×5 / 7×7 / Custom1-3 from 117 areas on 13×9 grid All: Yes |
| 38 | Subject Detection | Yes (Animal\Bird\Automobile\Motorcycle&Bike\Airplane\Train) |
| 39 | Shoe Mount Flash | Sync. Mode:1st Curtain, 2nd Curtain, AUTO FP (HSS) Flash Mode:TTL (TTL AUTO / STANDARD / SLOW SYNC.) MANUAL MULTI *When EF-X500 is set OFF |
| 40 | Synchronized Terminal | Sync. Mode 1st Curtain 2nd Curtain Flash Mode MANUAL |
| 41 | Hot Shoe | Yes (Dedicated TTL Flash compatible) |
| 42 | Viewfinder EVF | EVF:0.5 inch OLED Color Viewfinder Approx. 5.76 million dots Coverage Of Viewing Area Vs. Capturing Area:Approx. 100% Eyepoint:Approx. 24mm (from the Rear End of the Camera's Eyepiece) Diopter Adjustment:-5 ⁺ +3m-1 Magnification:0.84x with 50mm Lens (35mm Equivalent) at infinity and Diopter set to -1.0m-1 Diagonal Angle Of View:approx. 40° (Horizontal angle of view: approx. 32°)Built-In Eye Sensor |
| 43 | LCD Monitor | 3.2 inch Tilt-Type(Three Direction) Touch Screen Color LCD Monitor |
| 44 | Aspect Ratio | 4:3 |
| 45 | Dots | Approx. 2.36 million dots |
| 46 | Shooting Mode | AF Focus Area OFF Double Tap Setting (ON/OFF) Touch Function Setting (ON/OFF) EVF Touch Screen Area Setting |
| 47 | Playback Mode | Swipe Pinch-in / Pinch-out Double-tap Drag |
| 48 | Sub LCD Monitor | 1.80 inch Monochrome LCD Monitor |
| 49 | Aspect Ratio | 4:3 |
| 50 | Dots | 303×230-dot |
| 51 | File Format | MOV:Apple ProRes 422 HQ, Linear PCM (Stereo sound 24bit / 48KHz sampling) Apple ProRes 422, Linear PCM (Stereo sound 24bit / 48KHz sampling) Apple ProRes 422 LT, Linear PCM (Stereo sound 24bit / 48KHz sampling) HEVC/H.265, Linear PCM (Stereo sound 24bit / 48KHz sampling) MPEG-4 AVC/H.264, Linear PCM (Stereo sound 24bit / 48KHz sampling) MP4:MPEG-4 AVC/H.264, AAC |
| 52 | Movie Compression | All Intra Long GOP |
| 53 | DCI4K(17:9) | File Size:4096 x 2160 Frame Rate:29.97p 25p 24p 23.98p Bitrate:720Mbps 360Mbps 200Mbps 100Mbps 50Mbps |
| 54 | 4K(16:9) | File Size:3840 x 2160 Frame Rate 29.97p 25p 24p 23.98p |

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| | | Bitrate:720Mbps 360Mbps 200Mbps 100Mbps 50Mbps |
| 55 | Full HD(17:9) | File Size:2048 x 1080 Frame Rate:59.94p 50p 29.97p 25p 24p 23.98p Bitrate:720Mbps 360Mbps 200Mbps 100Mbps 50Mbps |
| 56 | Full HD(16:9) | File Size:1920 x 1080 Frame Rate:59.94p 50p 29.97p 25p 24p 23.98p Bitrate:720Mbps 360Mbps 200Mbps 100Mbps 50Mbps |
| 57 | Film Simulation Mode | 20 modes PROVIA/Standard Velvia/Vivid ASTIA/Soft Classic Chrome REALA ACE PRO Neg.Hi PRO Neg.Std Classic Neg. Nostalgic Neg. ETERNA/Cinema ETERNA BLEACH BYPASS ACROS ACROS + Ye Filter ACROS + R Filter ACROS + G Filter Black & White Black & White + Ye Filter Black & White + R Filter Black & White + G Filter Sepia |
| 58 | Monochromatic Color | Yes |
| 59 | Roughness | STRONG, WEAK, OFF |
| 60 | Size | LARGE, SMALL |
| 61 | Color Chrome Effect | STRONG, WEAK, OFF |
| 62 | Color Chrome Blue | STRONG, WEAK, OFF |
| 63 | Smooth Skin Effect | STRONG, WEAK, OFF |
| 64 | Still | Still:AUTO / 100% / 200% / 400% ISO Restriction:DR100%: No limit、DR200%: ISO160 or more、DR400%: ISO320 or more |
| 65 | Movie | Movie:100% / 200% / 400% ISO Restriction:DR100%: No limit、DR200%: ISO200 or more、DR400%: ISO400 or more |
| 66 | White Balance Auto | White Priority Auto Ambience Priority |
| 67 | Custom | Custom1 - 3 |
| 68 | Color Temperature Selection | 2500K~10000K |

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| 69 | Preset | Daylight Shade Fluorescent Light-1 Fluorescent Light-2 Fluorescent Light-3 Incandescent Light Underwater |
| 70 | Clarity Setting | ±5 steps |
| 71 | Self-timer | Still 10sec. 2sec. Movie 10sec. 5sec. 3sec. |
| 72 | Interval Timer Shooting | Yes (Setting : Interval, Number of shots, Starting time, Interval timer shooting exposure smoothing, Interval priority mode) |
| 73 | Standard | IEEE802.11a/b/g/n/ac (standard wireless protocol) |
| 74 | Encryption | WPA/WPA2 mixed mode, WPA3 |
| 75 | Access Mode | Infrastructure |
| 76 | Standard | Bluetooth Ver. 4.2 (Bluetooth low energy) |
| 77 | Operating Frequency (Center Frequency) | 2402~2480MHz |
| 78 | Digital Interface | USB Type-C (USB3.2 Gen2x1) |
| 79 | HDMI Output | HDMI Micro connector (Type D) |
| 80 | Others | ø3.5mm, stereo mini connector (Microphone) ø3.5mm, stereo mini connector (Headphone) ø2.5mm, Remote Release Connector Hot shoe Synchronized terminal |
| 81 | Power Supply | Li-ion battery (included) |
| 82 | Battery Life For Still Images | Normal Mode Approx. 530 frames Notes *Auto power save ON *When GF63mmF2.8 R WR is set |
| 83 | Actual Battery Life Of Movie Capture | 4K:Approx. 80min. (29.97p) Full HD:Approx. 70min. (59.94p) Notes:*Face detection is set to OFF |
| 84 | Continuance Battery Life Of Movie | 4K:Approx. 120min. (29.97p) |
| 85 | Capture | Full HD:Approx. 120min. (59.94p) Notes:*Face detection is set to OFF *Approximate number of frames or movie recording time that can be taken with a fully-charged based on CIPA Standard. |
| 86 | Width | 150.0mm |
| 87 | Height | 104.2mm |
| 88 | Depth | 87.2mm |
| 89 | (Minimum Depth) | 44.0mm |
| 90 | Including Battery And Memory Card | Approx. 883g |
| 91 | Excluding Battery And Memory Card | Approx. 802g |
| 92 | Operating Temperature | -10°C~+40°C |
| 93 | Operating Humidity | 10%~80% (no condensation) |
| 94 | Accessories Included | Li-ion battery AC power adapter Plug adapter USB cable Shoulder strap Body cap Hot shoe cover Memory card slot cover |

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| | Cable protector |
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三、镜头 GF20-35mm F4 R WR 参数

| 序号 | 设备名称 | 参数 |
|----|-----------------------|---|
| 1 | 型号 | GF20-35mmF4 R WR |
| 2 | 镜头结构 | 10 组 14 片（含 3 片非球面镜片，1 片非球面 ED 镜片和 3 片 ED 镜片） |
| 3 | 焦距 | f=20-35mm(16-28mm) |
| 4 | 视角 | 108--76° |
| 5 | 最大光圈 | F4 |
| 6 | 最小光圈 | F22 |
| 7 | 光圈控制 | 光圈叶片数量 9（圆形光圈叶片） 档位 1/3EV（16 档） |
| 8 | 对焦范围 | 0.35m |
| 9 | 最大放大倍率 | T: 0.14x |
| 10 | 外形尺寸:直径 x 长度 (大致值) | 88.5mmx112.5mm |
| 11 | 重量(大致值) | 725g |
| 12 | 滤镜口径 | 82mm |
| 13 | 包含的配件 | 镜头盖 FLCP-82、镜头后盖 RLCP-002、镜头遮光罩、镜头袋 |

四、镜头 GF55mm F1.7 R WR 参数

| 序号 | 设备名称 | 参数 |
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| 1 | 型号 | GF55mmF1.7 R WR |
| 2 | 镜头结构 | 10 组 14 片(包含 2 片非球面镜片, 2 片 ED 镜片) |
| 3 | 焦距 | f=55mm(44mm) |
| 4 | 视角 | 52.9° |
| 5 | 最大光圈 | F1.7 |
| 6 | 最小光圈 | F22 |
| 7 | 光圈控制 | 光圈叶片数 11(圆形光圈叶片) 档位 1/3EV(23 档) |
| 8 | 最小对焦距离(从焦平面测量) | 0.5m |
| 9 | 最大放大倍率 | 0.17x |
| 10 | 外形尺寸:直径 x 长度 (大致值) | 94.7mmx99.3mm |
| 11 | 重量(大致值) | 780g |
| 12 | 滤镜口径 | 77mm |
| 13 | 包含的配件 | 镜头盖 FLCP-77、镜头后盖 RLCP-002、镜头遮光罩、镜头袋 |

五、GF110mm F2 R LM WR 参数

| 序号 | 设备名称 | 参数 |
|----|--------------------|---|
| 1 | Type | GF110mmF2 R LM WR |
| 2 | Lens configuration | 14 elements 9 groups (includes 4 ED elements) |

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| 3 | Focal length | f=110mm(87mm in 35mm format equivalent) |
| 4 | Angle of view | 27.9° |
| 5 | Max. aperture | F2 |
| 6 | Min. aperture | F22 |
| 7 | Aperture control | Number of blades: 9(rounded diaphragm opening) Step size: 1/3EV(22 steps) |
| 8 | Focus range | 0.9m-∞ |
| 9 | Max magnification | 0.16x |
| 10 | External dimensions: Diameter x Length*1) | 94.3mmx125.5mm |
| 11 | Weight*2 (approx.) | 1,010g |
| 12 | Filter size | 77mm |
| 13 | Accessories included | Lens cap FLCP-77、Lens rear cap RLCP-002、Lens hood、Lens pouch |

六、读卡器参数

| 序号 | 设备名称 | 参数 |
|----|------|--------|
| 1 | 接口 | USB3.0 |
| 2 | 读取对象 | CF 卡 |
| 3 | 颜色 | 黑色 |
| 4 | 材质 | 塑料 |
| 5 | 类型 | 1 口 |
| 6 | 适用主机 | 笔记本 |
| 7 | 包装清单 | 读卡器*1 |

七、脚架云台套装+原装脚架包参数

| 序号 | 设备名称 | 参数 |
|----|-------------|-----------------------|
| 1 | 单反铝合金三脚架 | |
| 2 | 中轴 | 快速 |
| 3 | 接口有 | 3/8 英寸接口 |
| 4 | 材料 | 铝合金 |
| 5 | 中轴直径 | 28mm |
| 6 | 脚管直径 | 30-26-22.5 mm |
| 7 | 脚管角度 | 25° , 46° , 66° , 88° |
| 8 | 颜色 | 黑色 |
| 9 | 承重能力 | 20 kg |
| 10 | 高度可低至 | 9 cm |
| 11 | 高度可高达 | 170 cm |
| 12 | 高度可高达(中轴不升) | 140 cm |
| 13 | 脚管管节 | 3 节 |
| 14 | 重量 | 2.500 kg |
| 15 | 闭合长度 | 61 cm |
| 16 | 球型云台 | |

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| 17 | 侧向倾斜 | 倾斜范围-90° /+40 |
| 18 | 全景旋转 | 360 |
| 19 | 快装 | 支持 |
| 20 | 快装板类型 | MSQ6PL |
| 21 | 接口 | 3/8 英寸螺纹接口 |
| 22 | 材料 | 铝合金、镁合金 |
| 23 | 气泡水平仪(数目) | 3 个 |
| 24 | 摇摄锁 | 有 |
| 25 | 颜色 | 烟灰色 |
| 26 | 工作高度 | 11.5 cm |
| 27 | 承重能力 | 10 kg |
| 28 | 重量 | 0.520 kg |

八、单肩相机包参数

| 序号 | 设备名称 | 参数 |
|----|------|----------------|
| 1 | 类型 | 单反相机包 |
| 2 | 容量 | 一机两镜 |
| 3 | 颜色 | 灰色 |
| 4 | 适用类目 | 单反相机;小型相机;单反镜头 |
| 5 | 材质 | 涤纶(聚酯纤维) |
| 6 | 款式 | 单肩式 |
| 7 | 包装清单 | 摄影包 x1 |