

RESEARCH RENTAL CATALOG



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AMETEK



Phantom VEO 640S

Phantom VEO 710S



Phantom TMX 7510



Specifications:

Resolution: 2560 x 1600 FPS at Full Res.: 1400 fps Min. Exposure: 1 µs

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 72 GB Pixel Bit-depth: 12-bit

Record Time: 8.5 seconds at maximum frame rate

Camera Signals: Programmable I/O provides the ability to assign and define

the parameters of various signals including: F-Sync, Strobe, Event, Pre-trigger, Memgate, Timecode-out, Ready, Aux and Auto-Trigger, Trigger and Timecode-in ports are fixed

Gb Ethernet: Yes / 10Gb

Video Out: 3G HD-SDI and HDMI on all VEO models

Additional 3G HD-SDI BNC port on back, Supports up to 1080p60

Lensing: Nikon F-mount standard, supports F & G style lenses

(lens not included)

Size: 5.0 x 5.0 x 5.0 in (L x W x H); 12.7 x 12.7 x 12.7 cm (without lens)

Weight: 5.6 lbs, 2.5 kg (without CineFlash®, lens or battery) Power: 100 - 240 VAC, 16-32 VDC via primary power input,

power supply included

Battery: Secondary power input, down to 12V via capture port on S-model

cameras

Specifications:

Resolution: 1280 x 800 FPS at Full Res.: 7400 fps Min. Exposure: 1 µs

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 72 GB Pixel Bit-depth: 12-bit

Record Time: 6.5 seconds at maximum frame rate

Camera Signals: Programmable I/O provides the ability to assign and define

the parameters of various signals including: F-Sync, Strobe, Event, Pre-trigger, Memgate, Timecode-out, Ready, Aux and Auto-Trigger, Trigger and Timecode-in ports are fixed

Gb Ethernet: Yes / 10Gb

Video Out: 3G HD-SDI and HDMI on all VEO models.

Additional 3G HD-SDI BNC port on back, Supports up to 1080p60

Lensing: Nikon F-mount standard, supports F & G-style lenses

(lens not included)

Size: 5.0 x 5.0 x 5.0 in (L x W x H); 12.7 x 12.7 x 12.7 cm (without lens)

Weight: 5.6 lbs, 2.5 kg (without CineFlash®, lens or battery) Power: 100 - 240 VAC, 16-32 VDC via primary power input,

power supply included

Battery: Secondary power input, down to 12V via capture port on S-model

cameras

Specifications:

Resolution: 1200 x 800

FPS at Full Res.: 76,000 fps at 1280 x 800

Min. Exposure: 1 µs (95ns exposure with FAST Option)

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 256 GB Pixel Bit-depth: 12-bit

Record Time: 2.2 seconds at maximum frame rate, 12 bits, 1280 x 800

resolution and into maximum internal memory (256 GB memory)

Camera Signals: Dedicated Trigger, Timecode In ports, Dedicated Remote port

for, RS232 Dedicated Range Data, 4 Programmable I/O ports includes adjustable (assign and define) signals including: F-sync, strobe, event, trigger output, ready and more

Gb Ethernet: Gb and 10Gb Ethernet included on camera body

Video Out: 2X 3G HD-SDI ports. Supports up to 1080p60

Lensing: Nikon F-mount standard, supports F & G style lenses,

Canon EOS mount optional PL-mount optional, C-mount optional, M42-mount optional (lens not included)

CineMag version

• 7 x 7.4 x 11.7 inches, 17.8 x 18.6 x 29.7 cm (H, W, L)*

weight: 20 lbs. 9.1 kg

Non-CineMag version

• 7 x 7 x 11.7" (17.8 x 17.8 x 29.7 cm)*

weight: 20 lbs, 9.1 kg

Handle adds 2 inches (5.2 cm) to height

Power: 100 - 240 VAC, 400 Watt power supply included 20 - 28 VDC secondary power input on camera back panel

Optional:

PC controller, 10Gb Ethernet, Lens mounts: Canon EOS, Nikon F, C-mount, PL-mount, CFast Card Reader & CFast Card 128Gb

Optional:

PC controller, 10Gb Ethernet, FAST option, Lens mounts: Canon EOS, Nikon F, C-mount, PL-mount, CFast Card Reader & CFast Card 128Gb

Optional:

PC controller, FAST Option, Lens mounts: Canon EOS, Nikon F, C-mount, PLmount CMVe and CineStationIV



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Phantom T4040

Phantom FLEX4K



Specifications:

Resolution: 1280 x 800

FPS at Full Res.: 38,040 fps at 1280 x 800

Min. Exposure: 1 µs (190 ns min exposure with FAST Option

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 256GB Pixel Bit-depth: 12-bit

Record Time: 4.5 seconds at maximum frame rate, 12 bits, 1280 x 800

resolution and into maximum internal memory (256GB memory)

Camera Signals: Dedicated Trigger, Timecode In ports, Dedicated Remote port

for RS232, Dedicated Range Data, 3 Programmable I/O ports includes adjustable (assign and define) signals including: F-sync, strobe, event, trigger output, ready and more

Gb Ethernet: Gb and 10Gb Ethernet included on rental camera body

Video Out: 2X 3G HD - SDI ports, Micro - HDMI, Supports up to 1080p60 **Lensing:** Nikon F-mount standard. Canon EOS mount optional. PL-mount

optional, C-mount optional, M42-mount optional (lens not included)

Mechanical Specs: 5 x 5 x 8.25 inches, 12.7 x 12.7 x 21 cm (H, W, L) without handle or lens. Handle adds 2"(5 cm) to height

Weight: 9.4 lbs, 4.3 kg

Power: 100 - 240 VAC, 280 Watt power supply included 20 - 28 VDC secondary

power input on back panel

Specifications:

Resolution: 2640 x 1664

FPS at Full Res.: 9,350 fps at 2560 x 1664

Min. Exposure: 1 µs (250ns min exposure with FAST Option)

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 256 GB Pixel Bit-depth: 12-bit

Record Time: 4.3 seconds at maximum frame rate, 12 bits, 1280 x 800

resolution and into maximum internal memory (256GB memory)

Camera Signals: Dedicated Trigger, Timecode In ports, Dedicated Remote port

for RS232, Dedicated Range Data, 3 Programmable I/O ports includes adjustable (assign and define) signals including: F-sync, strobe, event, trigger output, ready and more

Gb Ethernet: Gb and 10Gb Ethernet included on rental camera body

Video Out: 2X 3G HD - SDI ports, Micro-HDMI, Supports up to 1080p60 Lensing: Nikon F-mount standard, Canon EOS mount optional, PL-mount optional, C-mount optional, M42-mount optional (lens not included)

Mechanical Specs: 5 x 5 x 8.25 inches, 12.7 x 12.7 x 21 cm (H, W, L) w/o

handle or lens. Handle adds 2"(5cm) to height

Weight: 9.4 lbs, 4.3 kg

Power: 100 - 240 VAC, 280 Watt power supply included 20 - 28 VDC secondary

power input on back panel

Specifications:

Resolution: 4096 x 2304

FPS at Full Res.: 938 fps, 1000 fps at 4096 x 2160

Min. Exposure: 5 µs

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 64 or 128 GB Pixel Bit-depth: 12-bit

Record Time: 5 seconds at 1000 fps, 4096 x 2160 (64GB)

Camera Signals: 4x 3G HD-SDI output BNCs (one reserved for viewfinder)

1x 3G HD-SDI return BNC, supports Genlock Sync connector for Trigger, time code, F-sync, AES/EBU Audio (via MiniBob or Capture cable), Remote (RCU) port, Component viewfinder

port, Four Aux ports for power and trigger

(2x 12VDC and 2x 24V)

Gb Ethernet: Yes

Lensing: PL-mount standard (lens not included)

Size: 12 x 6 x 8 in. (L x W x H);

30.5 x 35.5 x 20.3 cm (without lens or viewfinder)

Weight: 13 lbs; 5.9 kg (without lens or viewfinder)

Power: 100 - 240 VAC, 280 Watt power supply included

Battery: V-Lock or AB Gold-mount battery back installed upon request

Optional:

PC Controller, FAST Option, Lens mounts: Canon EOS, Nikon F, C-mount, PL mount, CineMagIV and CineStationIV

Optional:

PC Controller, FAST Option, Lens mounts: Canon EOS, Nikon F, C-mount, PLmount, CMVe and CineStationIV

Optional:

PC controller, Lens mounts: Canon EOS, Nikon F, C-mount, PL-mount, CineMagIV and CineStationIV, Note: Flex4K basic system only





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PHANTOM

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Phantom ONYX

Phantom VEO 1310



Phantom C321



Specifications:

Resolution: 2048 x 1952

FPS at Full Res.: 6,600 fps at 2048 x 1952

(Available with Color sensor only)

Min. Exposure: 1 µs (499 ns min expo in Stnd and 142 ns min expo in HS

with FAST Option)

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 288GB Pixel Bit-depth: 12-bit

Record Time: 3.9 seconds at max fps, 12 bits, 2048 x 1952 resolution and into 144GB RAM. Longer times available when recording directly

to a CineMag at lower frame rates

Camera Signals: Dedicated FSYNC. Trigger, Timecode In. Timecode Out, and

Strobe BNCs on camera body, Programmable I/O ports includes: adjustable (assign anddefine) signals, F-sync, strobe, event, trigger output, ready and more

Capture connector, Available signals: Event, Trigger, Strobe. Ready, IRIG In & IRIG Out, Video Out, Serial Port, Power Out, A-Sync (IBAT Trigger), Pretrigger/Memgate)

Gb Ethernet: Gb and 10Gb Ethernet included on rental camera body

Video Out: Two HD-SDI BNC ports on camera, Component viewfinder port,

supports up to 1080p30

Lensing: PL-mount standard, Canon EOS mount optional, Nikon-mount optional, Supports F & G style lenses (lens not included)

Mechanical Specs: Without Handle: 11 x 7.5 x 7.43 inches (L.W.H) 28 x 19 x 18.88cm (L,W,H). Handle adds 2.24"(5.7 cm) to height

Weight: 17 lbs, 8 oz, 8.1 kg

Power: 100 - 240 VAC, 280 Watt power supply included

Specifications:

Resolution: 1280 x 960

FPS at Full Res.: 10,860 fps at 1280 x 960

Min. Exposure: 1 µs (709ns min exposure with FAST Option)

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 72 GB Pixel Bit-depth: 12-bit

Record Time: 3.7 seconds at maximum frame rate, 12 bits, 1280 x 960

resolution and into maximum internal memory (72GB memory) Camera Signals: Dedicated Trigger and Timecode In BNCs on camera body,

Range Data input on S-model camera body (Fischer), Programmable I/O ports includes adjustable (assign and define) signals including: F-sync, strobe, event, trigger output,

ready and more

Gb Ethernet: Gb and 10Gb Ethernet included on rental camera body Video Out: 2X 3G HD-SDI ports, Micro-HDMI, Supports up to 1080p60

Lensing: Nikon F-mount standard, Canon EOS mount optional, PL-mount optional, C-mount optional, (lens not included)

Mechanical Specs: (without lens): 5.0 x 5.0 x 5.0 inches (L x W x H); 12.7 x 12.7 x 12.7cm (L-model)

Weight: 6 lbs (2.7 kg) (L-model); 6.6 lbs (3.0 kg) (S-model)

Power: 100 - 240 VAC, 16-32 VDC via primary power input, 80 Watt 24V power supply included, Secondary power input, down to 12V via capture

port on S-model cameras

Specifications:

Resolution: 1920 x 1080

FPS at Full Res.: : 1,480 fps at 1920 x 1080

Min. Exposure: 1 µs

Sensitivity: Use the QR code to access the EMVA 1288 specifications

Built-in Memory: 16GB internal RAM, 240GB internal, non-removable CineFlash

Pixel Bit-depth: 10-bit

Record Time: 4.2 seconds at maximum frame rate, largest resolution and into

maximum internal memory (16 GB memory)

Camera Signals: C321: Capture connector-Trigger, IRIG In, IRIG Out, Aux1,

Aux2, Programmable I/O

· Aux1 signal can be assigned to FSYNC, Event, Strobe or

Aux2 signal can be assigned to Ready or Strobe

Gb Ethernet: 1Gb Ethernet on rental camera body

Video Out: HD-SDI available through DIN 1.0 / 2.3 connector on front of

the cameras

Lensing: The C321 and C321J have 1" C-lens mounts that can be reversed to

accept CS lenses.

Mechanical Specs: C321: 2.9 x 2.9 x 3.4 inches, 73 x 73 x 87.2 mm

(H x W x D), C321J: 2.9 x 3.1 x 3.4 inches, 73 x 79

x 87.2 mm (H x W x D)

Weight: 1.2 lbs, 0.54 kg (without lens or lens mount)

Power: 16 - 36 VDC, 14 W, 22W during battery charge, rechargeable

battery for back-up

Optional:

PC Controller, FAST Option, Lens mounts: Canon EOS, Nikon F, C-mount, PL mount, CineMagIV and CineStationIV

Optional:

PC Controller, FAST Option, Lens mounts: Canon EOS, Nikon F, C-mount, PLmount, C Fast Cards, CFast Reader

Optional:

PC controller

ZDOC-PRJLEG-RC-0001 Rev 5 Rental Catalog



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Phantom C211	Phantom VE04K-PL
Pixel Bit-depth: 12-bit Record Time: 4.2 seconds at maximum frame rate, largest resolution and into maximum internal memory (16GB memory) Camera Signals: Individual BNC for Trigger, and two programmable BNC ports: • Aux 1 BNC: Programmable I/O, default is Strobe • Aux 2 BNC: Programmable I/O, default is Ready Gb Ethernet: 1Gb Ethernet on rental camera body Video Out: THD-SDI available through BNC on the back of the camera Lensing: The C211 has a 1" C-lens mounts that can be reversed to accept CS lenses. Mechanical Specs: 2.9 x 2.9 x 3.25 inches, 73 x 73 x 82.5 (H x W x D) Without lens or lens mount Power: 16 - 28 VDC, 12W, 40 Watt 100 – 240 VAC power supply included	Specifications: Resolution: 4096 x 2304 FPS at Full Res.: 938 fps at 4096 x 2304 (Available with Color sensor only) Min. Exposure: 5 µs Sensitivity: Use the QR code to access the EMVA 1288 specifications Built-in Memory: 72 GB Pixel Bit-depth: 12-bit Record Time: 6 seconds at maximum frame rate, largest resolution and into maximum internal memory Camera Signals: Dedicated Trigger and Timecode In BNCs on camera body, Range Data input on S-model camera body (Fischer), Programmable I/O ports includes adjustable (assign and define) signals including: F-sync, strobe, event, trigger output, ready and more Gb Ethernet: Gb and 10Gb Ethernet included on rental camera body Video Out: 3G HD-SDI and HDMI on all VEO models, Additional 3G HD-SDI BNC port on back. Supports up to 1080p60 Lensing: PL-mount and Optical Low Pass Filter (OLPF) are standard, Canon EOS mount optional (compatible with Flex4K-style EOS mount) • F-mount optional (compatible with v-Series F-mount) • C-mount optional (VEO-4K specific) Mechanical Specs: Size (without lens): 5.0 x 5.5 x 6 inches (L x W x H); 12.7 x 14 x 15cm Weight: 6 lbs (2.5 kg) Power: 100 - 240 VAC, 16 - 32 VDC via primary power input, 80 Watt 24V power supply included
Optional: PC Controller	Optional: PC Controller, Lens mounts: Canon EOS, Nikon F, C-mount, PL-mount