

Specificații tehnice (F4.1) Lot nr. 1  
IM O-Video Grup SRL ,c/f – 1005600035042

Numărul procedurii de achiziție: ocds-b3wdp1-MD-1597822509488 din 24.09.2020

Denumirea procedurii de achiziție: Reutilarea carului mobil Mercedes

Cod CPV	Denumirea bunurilor	Modelul articolului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standard e de referință
1	2	3	4	5	6	7	8
	<b>Lotul 1 Camere video</b>						
32240000-7	<b>VIDEO CAMERA (set)</b>	HXC-FB80SN//U	UK	SONY	<p>Studio Camera body, 20x lens kit and 7” viewfinder  <b>Camera:</b>  Pickup Device 3-chip 2/3-inch type CMOS  Effective Picture Elements 1920 x 1080 (H x V)  Signal Format HD: 1080/59.94p, 1080/59.94i, 1080/50p, 1080/50i, 1080/29.97PsF, 1080/25PsF, 1080/23.98PsF, 720/59.94p, 720/50p;  SD: 480/59.94i, 576/50i  Spectrum System F1.4 prism system  Built-in Filters CC: Electrical; ND: 1; CLEAR, 2; 1/4ND, 3; 1/16ND, 4; 1/64ND  Sensitivity (at 2000 lx, 3200K, 89.9% reflectance) F12 (59.94 Hz), F13 (50 Hz)  Signal-to-noise Ratio Typical 60dB *3 (1080/59.94i)  Horizontal Resolution 1,000 TV lines or higher  Gain -3, 0, 3, 6, 9, 12 dB  Shutter Speed 1/100, 1/125, 1/250, 1/500, 1/1000</p>	<p>Studio Camera body, 20x lens kit and 7” viewfinder  <b>Camera:</b>  Pickup Device 3-chip 2/3-inch type CMOS  Effective Picture Elements 1920 x 1080 (H x V)  Signal Format HD: 1080/59.94p, 1080/59.94i, 1080/50p, 1080/50i, 1080/29.97PsF, 1080/25PsF, 1080/23.98PsF, 720/59.94p, 720/50p;  SD: 480/59.94i, 576/50i  Spectrum System F1.4 prism system  Built-in Filters CC: Electrical; ND: 1; CLEAR, 2; 1/4ND, 3; 1/16ND, 4; 1/64ND  Sensitivity (at 2000 lx, 3200K, 89.9% reflectance) F12 (59.94 Hz), F13 (50 Hz)  Signal-to-noise Ratio Typical 60dB *3 (1080/59.94i)  Horizontal Resolution 1,000 TV lines or higher  Gain -3, 0, 3, 6, 9, 12 dB  Shutter Speed 1/100, 1/125, 1/250, 1/500, 1/1000</p>	

				<p>Shutter Speed (Slow Shutter (SLS)) 2, 3, 4, 5, 6, 7, 8-frame accumulation (only in 1080 mode at 59.94i/p, 50i/p, 29.97PsF, 25PsF)</p> <p><i>Input/Output</i></p> <p>Audio Input (CH1) XLR type: 3-pin, female (x1); MIC IN: -60dBu (Up to -20dBu can be set by using menu), balanced; LINE IN: 0dBu, balanced</p> <p>Audio Input (CH2) XLR type: 3-pin, female (x1); MIC IN: -60dBu (Up to -20dBu can be set by using menu), balanced; LINE IN: 0dBu, balanced</p> <p>Prompter/Genlock BNC (x1); Gen-Lock In or Prompter Out</p> <p>Test Output TEST Out (Analog output with/without characters), or HD/SD</p> <p>Sync Out</p> <p>SDI Input/Output BNC (x1) SMPTE ST292- 1, for HD Prompter Out or HD Video TrunkIn</p> <p>SDI Output BNC (x1) SMPTE ST425- 1/ST292-1/259M; 3G/HD-SDI or SD-SDI selectable</p> <p>connector CCU Optical Fiber (x1), Intercom XLR type: 5-pin, female (x1)</p> <p>Earphone Output Stereo mini jack (x1)</p> <p>Lens 12-pin (x1)</p> <p>Viewfinder 20-pin (1), for HDVF only</p> <p>Remote 8-pin (x1)</p> <p>TRUNK Input/Output TRUNK LINE D-sub 9- pin, female (x1) : RS-232C, or Remote 8pin : RS-422A</p> <p>EXT Input/Output (in TRUNK I/O) D-sub 9- pin, female (x1)</p> <p>USB USB 2.0 (x1)</p> <p>DC Input XLR-type 4-pin (x1), DC 10.5 V to 17 V</p> <p>DC Output 4-pin (x1), DC 10.5 V to 17 V, 1.5 A (max.)</p> <p><b><i>Viewfinder Display</i></b></p> <p>Screen Size min. 7 inch diagonal Aspect Ratio16:9</p> <p>Picture Elements1920(H) x 1080(V)</p>	<p>Shutter Speed (Slow Shutter (SLS)) 2, 3, 4, 5, 6, 7, 8-frame accumulation (only in 1080 mode at 59.94i/p, 50i/p, 29.97PsF, 25PsF)</p> <p><i>Input/Output</i></p> <p>Audio Input (CH1) XLR type: 3-pin, female (x1); MIC IN: -60dBu (Up to -20dBu can be set by using menu), balanced; LINE IN: 0dBu, balanced</p> <p>Audio Input (CH2) XLR type: 3-pin, female (x1); MIC IN: -60dBu (Up to -20dBu can be set by using menu), balanced; LINE IN: 0dBu, balanced</p> <p>Prompter/Genlock BNC (x1); Gen-Lock In or Prompter Out</p> <p>Test Output TEST Out (Analog output with/without characters), or HD/SD</p> <p>Sync Out</p> <p>SDI Input/Output BNC (x1) SMPTE ST292- 1, for HD Prompter Out or HD Video TrunkIn</p> <p>SDI Output BNC (x1) SMPTE ST425- 1/ST292-1/259M; 3G/HD-SDI or SD-SDI selectable</p> <p>connector CCU Optical Fiber (x1), Intercom XLR type: 5-pin, female (x1)</p> <p>Earphone Output Stereo mini jack (x1)</p> <p>Lens 12-pin (x1)</p> <p>Viewfinder 20-pin (1), for HDVF only</p> <p>Remote 8-pin (x1)</p> <p>TRUNK Input/Output TRUNK LINE D-sub 9- pin, female (x1) : RS-232C, or Remote 8pin : RS-422A</p> <p>EXT Input/Output (in TRUNK I/O) D-sub 9- pin, female (x1)</p> <p>USB USB 2.0 (x1)</p> <p>DC Input XLR-type 4-pin (x1), DC 10.5 V to 17 V</p> <p>DC Output 4-pin (x1), DC 10.5 V to 17 V, 1.5 A (max.)</p> <p><b><i>Viewfinder Display</i></b></p> <p>Screen Size min. 7 inch diagonal Aspect Ratio16:9</p> <p>Picture Elements1920(H) x 1080(V)</p>
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					RGB stripe array <i>Lens</i> Lens Mount - 2/3-inch B4 Bayonet Focal Length 8.2mm (11/32 inches) to 164mm (6 1/2 inches)	RGB stripe array <i>Lens</i> Lens Mount - 2/3-inch B4 Bayonet Focal Length 8.2mm (11/32 inches) to 164mm (6 1/2 inches)	
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					Zoom Servo/Manual selectable Zoom Ratio 20 x Maximum Relative Aperture 1: 1.9 Iris Auto/Manual selectable F1.9 to F16 and C (Close) Focus Full manual focus 900 mm to ∞ (MACRO OFF) 10 mm to ∞ (MACRO ON, Wide) Filter Thread M82 mm, pitch 0.75 mm Macro On/Off switchable <i>Include accessories</i> Tally Number Plate (0~9) Viewfinder Cable 20pin (1) Lens Mount Cap (1) V-shoe (1), Viewfinder Hood (1) Camera Operation Guide and Operating Instructions	Zoom Servo/Manual selectable Zoom Ratio 20 x Maximum Relative Aperture 1: 1.9 Iris Auto/Manual selectable F1.9 to F16 and C (Close) Focus Full manual focus 900 mm to ∞ (MACRO OFF) 10 mm to ∞ (MACRO ON, Wide) Filter Thread M82 mm, pitch 0.75 mm Macro On/Off switchable <i>Include accessories</i> Tally Number Plate (0~9) Viewfinder Cable 20pin (1) Lens Mount Cap (1) V-shoe (1), Viewfinder Hood (1) Camera Operation Guide and Operating Instructions	
32200000-5	<b>Full-Servo set for Lenses</b> (compatibil cu camera video de la pozitia nr.1.1)	<b>Full Servo Set:</b> CC-0820 (1buc) CC-0620 (1buc) FPD-400D(1buc) ZSD-300D(1buc) FPM-77(1buc)	Japan	Canon	<b>Full digital Lens Zoom/Focus remote control kit</b> The kit includes: Digital Focus Servo Demand Digital Zoom Servo Demand Focus Positional Servo Module Adapter Cable	<b>Full digital Lens Zoom/Focus remote control kit</b> The kit includes: Digital Focus Servo Demand Digital Zoom Servo Demand Focus Positional Servo Module Adapter Cable	

32200000-5	CAMERA CONTROL UNIT (compatibil cu camera video de la pozitia nr.1.1)	HXCU-FB80N//U	UK	Sony	<p><b>Camera control unit</b>  <i>General</i>  Power Requirements AC 100 V to 240 V, 2.2A (max), 50/60 Hz  Dimensions - Rack Mounting  Signal Format - 4K 2160 : 59.94p, 50p (2SI, SQD, Level-A/B) HD 1080: 59.94p, 59.94i, 50p, 50i, 29.97PsF, 25PsF, 23.98PsF, HD 720 : 59.94p, 50p SD 480 : 59.94i, 576: 50i  <i>Input/Output</i>  connector Camera Optical Fiber selectable Intercom (on the front panel)XLR type: 5- pin, female (x1) Intercom/Tally/Program D-sub 25-pin, female (x1); INTERCOM (PROD, ENG), 4Wire/RTS/Clear-Com, 0 dBu; PGM 1 system, -20/0/+4 dBu; PREVIEW Remote8-pin (x1) Trunk D-sub 9-pin, female (x1) RS- 232C/RS-422A, 1 system LAN8-pin (x1) Reference BNC (x2), In: HD: SMPTE 274M, Tri-Level Sync, 0.6 Vp-p, 75 Ω SD: Black Burst (NTSC: 0.286 Vp-p, 75 Ω /</p>	<p><b>Camera control unit</b>  <i>General</i>  Power Requirements AC 100 V to 240 V, 2.2A (max), 50/60 Hz  Dimensions - Rack Mounting  Signal Format - 4K 2160 : 59.94p, 50p (2SI, SQD, Level-A/B) HD 1080: 59.94p, 59.94i, 50p, 50i, 29.97PsF, 25PsF, 23.98PsF, HD 720 : 59.94p, 50p SD 480 : 59.94i, 576: 50i  <i>Input/Output</i>  connector Camera Optical Fiber selectable Intercom (on the front panel)XLR type: 5- pin, female (x1) Intercom/Tally/Program D-sub 25-pin, female (x1); INTERCOM (PROD, ENG), 4Wire/RTS/Clear-Com, 0 dBu; PGM 1 system, -20/0/+4 dBu; PREVIEW Remote8-pin (x1) Trunk D-sub 9-pin, female (x1) RS- 232C/RS-422A, 1 system LAN8-pin (x1) Reference BNC (x2), In: HD: SMPTE 274M, Tri-Level Sync, 0.6 Vp-p, 75 Ω SD: Black Burst (NTSC: 0.286 Vp-p, 75 Ω /</p>	
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32200000-5	<b>REMOTE CONTROL PANEL</b> (compatibil cu Camera Control Unit de la poziția nr. 1.3)	RCP-3100//U CCA-5-10	UK Japan	Sony	<b>Remote control panel</b> The iris and master black adjustment block employs joystick type control. Changes the sensitivity of each primary color (R, G, and B) and corrects the color temperature with adjustment knobs arranged on the panel. Power consumption 4 W Power supply DC 10.5 V to 30 V Input/output connectors , PoE (IEEE802.3af Class2) Ethernet RJ-45 8-pin (X1) , 10BASE-T, 100BASE-TX, 1000BASE-T CCU/CNU Multi-connector 8-pin, female (x1) EXT I/O D-sub 9-pin, female (x1)	<b>Remote control panel</b> The iris and master black adjustment block employs joystick type control. Changes the sensitivity of each primary color (R, G, and B) and corrects the color temperature with adjustment knobs arranged on the panel. Power consumption 4 W Power supply DC 10.5 V to 30 V Input/output connectors , PoE (IEEE802.3af Class2) Ethernet RJ-45 8-pin (X1) , 10BASE-T, 100BASE-TX, 1000BASE-T CCU/CNU Multi-connector 8-pin, female (x1) EXT I/O D-sub 9-pin, female (x1) Include CCA Cable 10m	
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32200000-5	<b>Cable , Hybrid Optic</b>	CCFN-250 cable drum CD3	UK	Sony Canford	Combines optical, electrical, and control signal paths environment outside broadcast cable, Cable Length minimum 200 m, Type of cable - PUR type Include portable fiber optic cable reel	Combines optical, electrical, and control signal paths environment outside broadcast cable, Cable Length 250 m, Type of cable - PUR type Include portable fiber optic cable reel	
32200000-5	<b>Cable , Hybrid Optic</b>	CCFN-100 CCFN-JC1 cable drum CD2	UK	Sony Canford	Combines optical, electrical, and control signal paths environment outside broadcast cable, Cable Length minimum 100 m Type of cable - PUR type Include portable fiber optic cable reel <u>The cables must be able to be connected to cables from position 1.5, to increase the distance.</u>	Combines optical, electrical, and control signal paths environment outside broadcast cable, Cable Length 100 m Type of cable - PUR type Include portable fiber optic cable reel <u>The cables must be able to be connected to cables from position 1.5, to increase the distance.</u>	
32200000-5	<b>Cable , Hybrid Optic</b>	CCFN-25	UK	Sony	Combines optical, electrical, and control signal paths, environment outside broadcast cable for connections between equipment and panel Cable Length minimum 10 m	Combines optical, electrical, and control signal paths, environment outside broadcast cable for connections between equipment and panel Cable Length 25 m	
32200000-5	<b>Termination panel set</b> (compatibil cu socket de la poziția nr.1.7)	NZPF3RU (1buc) NZPFD (6buc) NZPFBP (3buc) CCFN-JC1(6buc)	Liechtenstein UK	Neutrik Sony	Termination panel with minimum 6 holes, 2-4 RU, angled version (30 degrees) pre-drilled including blank panels panels with stabilizing angled edges, comes with mounting screws for connectors include designation strip with clear protective cover	Termination panel with minimum 6 holes, 3RU, angled version (30 degrees) pre-drilled including blank panels panels with stabilizing angled edges,comes with mounting screws for connectors include designation strip with clear protective cover	
32200000-5	<b>Fiber Optic Cleaning Kit</b>	FOCD-STD FOCD-DC125	Liechtenstein	Neutrik	Fiber Optic Cleaning Kit for Hybrid Connectors, specified in positions: 1.5; 1.6; 1.7 One click cleaner kit.	Fiber Optic Cleaning Kit for Hybrid Connectors, specified in positions: 1.5; 1.6; 1.7 One click cleaner kit.	



32200000-5	<b>SDI Cable</b>	L-2.5CHD	USA	Canare	<p>Inner conductor  Cross Section Area (mm<sup>2</sup>) 0.27,  Overall Diameter (mm) 0.59  Insulation: Thickness (mm) 1.00,  Overall Diameter (mm) 2.59, Foamed  Polyethylene  Outer Conductor 1: Thickness (mm)  0.06, Overall Diameter (mm) 2.7  Outer Conductor 2: Construction  (carr/end/mm) 16/ 7/0.12TA, Pitch  (mm)  &lt;= 24, Overall Diameter (mm)  3.2, Sheath: Thickness (mm) 0.5,  Overall Diameter (mm) 4.2  Rated Voltage AC 60Vrms  Temperature Range -20°C ~  +75°C  Applicable Specifications UL Type CMR</p>	<p>Inner conductor  Cross Section Area (mm<sup>2</sup>) 0.27,  Overall Diameter (mm) 0.59  Insulation: Thickness (mm) 1.00,  Overall Diameter (mm) 2.59,  Foamed Polyethylene  Outer Conductor 1: Thickness (mm)  0.06, Overall Diameter (mm) 2.7  Outer Conductor 2: Construction  (carr/end/mm) 16/ 7/0.12TA, Pitch  (mm)  &lt;= 24, Overall Diameter (mm)  3.2, Sheath: Thickness (mm)  0.5, Overall Diameter (mm) 4.2  Rated Voltage AC 60Vrms  Temperature Range -20°C ~  +75°C  Applicable Specifications UL Type  CMR</p>	
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					Insulation Resistance $\geq 1000\text{M}\Omega\text{-km}$	Insulation Resistance $\geq 1000\text{M}\Omega\text{-km}$	
32200000-5	<b>SDI Connector</b> (compatibil cu SDI cablu de la poziția nr 1.10)	BCP-B25HD	USA	Canare	Crimp type 75 $\Omega$ BNC plug Insulation 1x1011 $\Omega$ 5000M $\Omega$ or more. Contact resistance: External contact-1.04 ~1.30m $\Omega$ , Center contact -1.37~1.45m $\Omega$ . Voltage standing 1.1 or less, Interminability Pass, Fixing force of contact with lock mechanism 0.2mm or less Mechanical operation: External contact 0.62~0.96m $\Omega$ , Center contact 1.70~1.80m $\Omega$	Crimp type 75 $\Omega$ BNC plug Insulation 1x1011 $\Omega$ 5000M $\Omega$ or more. Contact resistance: External contact-1.04 ~1.30m $\Omega$ , Center contact -1.37~1.45m $\Omega$ . Voltage standing 1.1 or less, Interminability Pass, Fixing force of contact with lock mechanism 0.2mm or less Mechanical operation: External contact 0.62~0.96m $\Omega$ , Center contact 1.70~1.80m $\Omega$	
32200000-5	<b>Multiview</b> (6 Channel)	DMON-6S	China	Decimator Design	1 to 6 Channel MultiViewer with SDI and HDMI outputs for 3G/HD/SD and Custom Layouts Support both 3G level A and B on the input and output. Allowing conversion between 3G level A and B. 6 x (3G/HD/SD)-SDI active loop copies of each input Custom Layouts with various standard layouts 16 Character UMD overlay per window with individual enables, custom positioning and size 16 Channel Audio Metering overlay per window with individual enables, custom positioning and size Safe Action and Safe Title overlay per window with individual enables and adjustment Centre Cross overlay per window with individual enable Audio ID overlay Tallies can be applied to either Tally Boxes (Default), Outside Safe Action Area or Border Tally boxes allows for up to 4 Tallies per window (Green, Red, Blue) Load and restore Custom Layouts Fast switching between inputs using Full- Screen scaling Selectable output format in both Full-Screen and Multi-Viewer mode Low latency buffering for each input	1 to 6 Channel MultiViewer with SDI and HDMI outputs for 3G/HD/SD and Custom Layouts Support both 3G level A and B on the input and output. Allowing conversion between 3G level A and B. 6 x (3G/HD/SD)-SDI active loop copies of each input Custom Layouts with various standard layouts 16 Character UMD overlay per window with individual enables, custom positioning and size 16 Channel Audio Metering overlay per window with individual enables, custom positioning and size Safe Action and Safe Title overlay per window with individual enables and adjustment Centre Cross overlay per window with individual enable Audio ID overlay Tallies can be applied to either Tally Boxes (Default), Outside Safe Action Area or Border Tally boxes allows for up to 4 Tallies per window (Green, Red, Blue) Load and restore Custom Layouts Fast switching between inputs using Full- Screen scaling Selectable output format in both Full-Screen and Multi-Viewer mode Low latency buffering for each input	

					allowing non-synchronous inputs Linked (3G/HD/SD)-SDI and HDMI outputs	allowing non-synchronous inputs Linked (3G/HD/SD)-SDI and HDMI outputs	
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				<p>6 x (3G/HD/SD)-SDI inputs with auto detection</p> <p>Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously Variable aspect ratios per window</p> <p>Pass-Through mode allowing any of the 6 inputs to be selected and routed to both the (3G/HD/SD)-SDI and HDMI outputs Also includes:</p> <p>32 GPI on 37-pin D-SUB connector for Tallies and Remote Switching</p> <p>RS422/485 on 37-pin D-SUB connector for Dynamic UMD and Tallies via TSL protocol USB port for control and firmware updates</p> <p>Power Supply, HDMI Cable and USB Cable</p>	<p>6 x (3G/HD/SD)-SDI inputs with auto detection</p> <p>Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously Variable aspect ratios per window</p> <p>Pass-Through mode allowing any of the 6 inputs to be selected and routed to both the (3G/HD/SD)-SDI and HDMI outputs Also includes:</p> <p>32 GPI on 37-pin D-SUB connector for Tallies and Remote Switching</p> <p>RS422/485 on 37-pin D-SUB connector for Dynamic UMD and Tallies via TSL protocol USB port for control and firmware updates</p> <p>Power Supply, HDMI Cable and USB Cable</p>	
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32200000-5	<p><b>Multiview</b> (12 Channel)</p>	DMON-12S	China	Decimator Design	<p>1 to 12 Channel MultiViewer with SDI and HDMI outputs for 3G/HD/SD Support both 3G level A and B on the input and output. Allowing conversion between 3G level A and B. Custom Layouts with various standard layouts 16 Character UMD overlay per window with individual enables, custom positioning/size 16 Channel Audio Metering overlay per window with individual enables, custom positioning and size Safe Action and Safe Title overlay per window with individual enables and adjustment Centre Cross overlay per window with individual enable Audio ID overlay Tallies can be applied to either Tally Boxes (Default), Outside Safe Action Area or Border Tally boxes allows for up to 4 Tallies per window (Green, Red, Blue) Load and restore Custom Layouts Fast switching between inputs using Full- Screen scaling Selectable output format in both Full-Screen and Multi-Viewer mode Low latency buffering for each input allowing non-synchronous inputs Linked (3G/HD/SD)-SDI and HDMI outputs</p>	<p>1 to 12 Channel MultiViewer with SDI and HDMI outputs for 3G/HD/SD Support both 3G level A and B on the input and output. Allowing conversion between 3G level A and B. Custom Layouts with various standard layouts 16 Character UMD overlay per window with individual enables, custom positioning/size 16 Channel Audio Metering overlay per window with individual enables, custom positioning and size Safe Action and Safe Title overlay per window with individual enables and adjustment Centre Cross overlay per window with individual enable Audio ID overlay Tallies can be applied to either Tally Boxes (Default), Outside Safe Action Area or Border Tally boxes allows for up to 4 Tallies per window (Green, Red, Blue) Load and restore Custom Layouts Fast switching between inputs using Full- Screen scaling Selectable output format in both Full-Screen and Multi-Viewer mode Low latency buffering for each input allowing non-synchronous inputs Linked (3G/HD/SD)-SDI and HDMI outputs</p>	
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					<p>12 x (3G/HD/SD)-SDI inputs with auto detection  Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously Variable aspect ratios per window  Pass-Through mode allowing any of the 12 inputs to be selected and routed to both the (3G/HD/SD)-SDI and HDMI outputs Also includes:  32 GPI on 37-pin D-SUB connector for Tallies and Remote Switching  RS422/485 on 37-pin D-SUB connector for Dynamic UMD and Tallies via TSL protocol USB port for control and firmware updates  Power Supply, HDMI Cable and USB Cable</p>	<p>12 x (3G/HD/SD)-SDI inputs with auto detection  Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously Variable aspect ratios per window  Pass-Through mode allowing any of the 12 inputs to be selected and routed to both the (3G/HD/SD)-SDI and HDMI outputs Also includes:  32 GPI on 37-pin D-SUB connector for Tallies and Remote Switching  RS422/485 on 37-pin D-SUB connector for Dynamic UMD and Tallies via TSL protocol USB port for control and firmware updates  Power Supply, HDMI Cable and USB Cable</p>	
32323100-4	<p><b>Monitor</b>  Rack-Mounted</p>	SmartView 4k	Australia	Blackmagic Design	<p><b>Connections</b>  SDI Video Input -2 SDI inputs automatically switch between SD, HD, 3G, 6G and 12G-SDI. 1x Reclocked video output. 12G-SDI products.  Optical Video Input - SFP Optical Fiber connector cage.  SDI Video Output -  Automatically switches to input selection  Multi Rate Support  Auto detection of 4K, 2K, HD or standard definition inputs.  Updates and Configuration -USB Ethernet -Gigabit ethernet with loop through.  Tally - 9-pin D connector</p> <p><b>Standards</b>  SD Format Support 625i25 PAL  HD Format Support 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60, 2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,</p>	<p><b>Connections</b>  SDI Video Input -2 SDI inputs automatically switch between SD, HD, 3G, 6G and 12G-SDI. 1x Reclocked video output. 12G-SDI products.  Optical Video Input - SFP Optical Fiber connector cage.  SDI Video Output -  Automatically switches to input selection  Multi Rate Support  Auto detection of 4K, 2K, HD or standard definition inputs.  Updates and Configuration - USB Ethernet -Gigabit ethernet with loop through.  Tally - 9-pin D connector</p> <p><b>Standards</b>  SD Format Support 625i25 PAL  HD Format Support 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60</p>	

					2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94 DCI, 2Kp60 DCI, 2KPsF23.98, 2KPsF24, 2KPsF25, 2KPsF29.97 Ultra HD Format Support	2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI, 2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94 DCI, 2Kp60 DCI, 2KPsF23.98, 2KPsF24, 2KPsF25, 2KPsF29.97 Ultra HD Format Support	
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				<p>2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95, 2160p48, 2160p50, 2160p59.94, 2160p60  4K Format Support - 4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94 DCI, 4Kp60 DCI  SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level A and B, SMPTE 425M, SMPTE 2082.  SDI Color Space - REC 601, REC 709  SDI Auto Switching - Automatically selects between SD, HD, 3G, 6G and 12G- SDI.  Video Sampling - 4:2:2 and 4:4:4  <b>Display</b>  Display Element - 15.6" TFT  Active Matrix LCD  Display Resolution - 3840 x 2160  pixels Response - 25 ms  Contrast Ratio - 1000:1  Color Depth - 16.7 million colors</p>	<p>2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30, 2160p47.95, 2160p48, 2160p50, 2160p59.94, 2160p60  4K Format Support - 4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI, 4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95 DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94 DCI, 4Kp60 DCI  SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level A and B, SMPTE 425M, SMPTE 2082.  SDI Color Space - REC 601, REC 709  SDI Auto Switching - Automatically selects between SD, HD, 3G, 6G and 12G- SDI.  Video Sampling - 4:2:2 and 4:4:4  <b>Display</b>  Display Element - 15.6" TFT  Active Matrix LCD  Display Resolution - 3840 x 2160  pixels Response - 25 ms  Contrast Ratio - 1000:1  Color Depth - 16.7 million colors</p>	
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32323100-4	<b>Monitor</b> Rack-Mounted Dual 6G-SDI	SmartScope Duo 4k	Australia	Blackmagic Design	<b>Connections</b> SDI Video Input - Automatically switches between SD, HD and 6G-SDI. Reclocked loop through output. SDI Video Output - 1 x 10 bit loop through SD, HD and 6G-SDI switchable. SDI Audio Input - 16 channels embedded in SD, HD and UHD. SDI Audio Output - 16 channels embedded in SD, HD and UHD. Multi Rate Support - Standard definition SDI, high definition SDI and 6G-SDI. Tally - 9-pin D connector <b>Standards</b> SD Format Support - 625i25 PAL HD Format Support - 720p50, 59.94,60; 1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60; 1080PsF23.98, 24, 25, 29.97, 30; 1080i50, 59.94, 60 2K Format Support - 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p,2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF Ultra HD Format Support - 2160p23.98, 24, 25, 29.97, 30 SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level B and SMPTE 425M.	<b>Connections</b> SDI Video Input - Automatically switches between SD, HD and 6G-SDI. Reclocked loop through output. SDI Video Output - 1 x 10 bit loop through SD, HD and 6G-SDI switchable. SDI Audio Input - 16 channels embedded in SD, HD and UHD. SDI Audio Output - 16 channels embedded in SD, HD and UHD. Multi Rate Support - Standard definition SDI, high definition SDI and 6G-SDI. Tally - 9-pin D connector <b>Standards</b> SD Format Support - 625i25 PAL HD Format Support - 720p50, 59.94,60; 1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60; 1080PsF23.98, 24, 25, 29.97, 30; 1080i50, 59.94, 60 2K Format Support - 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p,2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF Ultra HD Format Support - 2160p23.98, 24, 25, 29.97, 30 SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level B and SMPTE 425M	
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					<p>Audio Sampling - Television sample rate of 48KHz  Video Sampling - 4:2:2 and 4:4:4 Color Precision - 8-bit  Color Space - YUV and RGB  Computer Interface - USB 2.0 for software updates and Ethernet for configuration  Colorspace Conversion - Hardware based real time.  Scopes - Luminance  Waveform, Vectorscope,  RGB Parade, YUV Parade,  Histogram, Audio phase and level.</p>	<p>Audio Sampling - Television sample rate of 48KHz  Video Sampling - 4:2:2 and 4:4:4 Color Precision - 8-bit  Color Space - YUV and RGB  Computer Interface - USB 2.0 for software updates and Ethernet for configuration  Colorspace Conversion - Hardware based real time.  Scopes - Luminance  Waveform, Vectorscope,  RGB Parade, YUV Parade,  Histogram, Audio phase and level</p>	
32323100-4	<p><b>Monitor</b>  Rack-Mounted Dual 3G-SDI</p>	SmartView Duo	Australia	Blackmagic Design	<p><b>Connections</b>  SDI Video Input - Automatically switches between SD, HD and 3G-SDI. Reclocked loop through output.  Multi Rate Support - Auto detection of 2K, HD or standard definition inputs.  Updates and Configuration - Via USB 2.0 high speed (480 Mb/s)  Ethernet - 10/100 BaseT with loop through. Tally - 9-pin D connector</p> <p><b>Standards</b>  SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level B and SMPTE 425M. SDI Color Space - REC 601, REC 709  SDI Auto Switching - Automatically selects between SD, HD and 3 Gb/s SDI. Video Sampling - 4:2:2 and 4:4:4  <b>SDI Format Support</b> - 625i50 PAL; 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60  2K Format Support - 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p; 2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF  <b>Display</b>  Display Element - TFT Active Matrix LCD.</p>	<p><b>Connections</b>  SDI Video Input - Automatically switches between SD, HD and 3G-SDI. Reclocked loop through output.  Multi Rate Support - Auto detection of 2K, HD or standard definition inputs.  Updates and Configuration - Via USB 2.0 high speed (480 Mb/s)  Ethernet - 10/100 BaseT with loop through. Tally - 9-pin D connector</p> <p><b>Standards</b>  SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level B and SMPTE 425M. SDI Color Space - REC 601, REC 709  SDI Auto Switching - Automatically selects between SD, HD and 3 Gb/s SDI. Video Sampling - 4:2:2 and 4:4:4  <b>SDI Format Support</b> - 625i50 PAL; 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60  2K Format Support - 2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p; 2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF  <b>Display</b></p>	

					Display Resolution - 800 x 480 pixels Response - < 15 ms Contrast Ratio - Typically 500:1 Color Depth - 16.7 Million Colors.	Display Element - TFT Active Matrix LCD. Display Resolution - 800 x 480 pixels Response - < 15 ms Contrast Ratio - Typically 500:1 Color Depth - 16.7 Million Colors.	
	<b>Instalare</b>				Instalarea și punerea în funcțiune a sistemului de camere video în carul mobil aflat în dotare;	Instalarea și punerea în funcțiune a sistemului de camere video în carul mobil aflat în dotare;	

				Materiale și elemente pasive/active necesare pentru interconectarea echipamentelor și punerea în funcțiune a acestora; Lucrările de montare, precumși operațiunile de instalare, ajustare; Sistemul va fi predat la cheie; Garanția hardware minim 2 ani.	Materiale și elemente pasive/active necesare pentru interconectarea echipamentelor și punerea în funcțiune a acestora; Lucrările de montare,precumși operațiunile de instalare, ajustare; Sistemul va fi predat la cheie; Garanția hardware minim 2 ani.	
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Semnat: \_\_\_\_\_ Numele, Prenumele: Zapsa Andrei În calitate de: director

Ofertantul: IM O-Video Grup SRL Adresa: or. Chisinau, str.Valea Trandafirilor nr. 20 of. 179