Technical Specifications

	4Caster Mobile SE	4Caster Mobile M1	4Caster Mobile M2
Input			
Video	File import (AVI, MOV, DV) DirectShow and VFW compatible capture cards	Analog Composite (PAL/NTSC) S-Video	Analog Composite (PAL/NTSC) S-Video SDI - Serial Digital Interface (625 /525) Component
Audio	File import (AVI, MOV, DV) DirectShow and VFW compatible capture cards	1 Channel (1 stereo or dual mono) 2 Analog Balanced/Unbalanced	4 channels (4 stereo or dual mono) 4 Analog Balanced/Unbalanced 2 digital AES/EBU/1 SDI Embedded
Output			
File output	3GP2, 3GPP, 3GPP multirate MPEG-4 file ouput	3GP2, 3GPP, MPEG-4 file ouput	3GP2, 3GPP, MPEG-4, MPEG-2 TS file ouput
Output	N/A	1 x Ethernet (10/100 Base T)	2 x Ethernet (10/100 and 100/1000 Base T)
Streaming	RTP/UDP; IP Unicast or Multicast, SDP IPV4 and IPV6 supported	RTP/UDP; IP Unicast or Multicast, SAP, SDP IPV4 supported (IPV6 as upgrade)	RTP/UDP; IP Unicast or Multicast, SAP, SDP IPV4 supported (IPV6 as upgrade)
MPEG-2 transport	N/A	N/A	MPEG-2 TS over UDP, DVB-ASI (OPTION)
Encoder			
Video	SQCIF to CIF resolution MPEG-4 SP levels 0-3 H263 H.264 baseline level 1-2 Data rate: 20 kbps to 2 Mbps	SQCIF to CIF resolution MPEG-4 SP and ASP levels 0-3 H263 Upgradeable to H.264 baseline level 1-2 Data rate: 20 kbps to 2 Mbps	SQCIF to CIF resolution MPEG-4 SP and ASP levels 0-3 H.264 baseline and main level 1-2 Data rate: 20 kbps to 2 Mbps
Audio	MPEG-4 Advanced Audio Coding (AAC-LC) MPEG-4 HE-AAC (with Parametric Stereo) AMR-NB, AMR-WB, QCELP Data rate: 8 to 384 kbps	MPEG-4 Advanced Audio Coding (AAC-LC) Upgradable to HE-AAC (with Parametric Stereo) AMR-NB, AMR-WB, QCELP Data rate: 8 to 384 kbps	MPEG-4 Advanced Audio Coding (AAC-LC) MPEG-4 HE-AAC (with Parametric Stereo) MPEG-2 HE-AAC Data rate: 8 to 128 kbps
Supported Standards			
	ISMA Profile 0, 1 and 2 3GPP version 4, 5 and 6 3GPP2	ISMA Profile 0 and 1, Upgradeable to Profile 2 3GPP version 4 5 and Upgradeable to version 6 3GPP2 Upgradeable to DVB, A, B, C profiles	ISMA Profile 0, 1 and 2 3GPP version 4, 5 and 6 3GPP2 DVB IP A, B and C profiles (128-700Kbits/s)
Advanced Processing			
	Audio and video adjustments (volume, brightness, contrast) Audio resampling Frame resizing, frame subsampling, cropping Scene change detection with adpative GOP Low delay mode Inverse Telecine / Deinterlace, Noise Filtering Error resilience (MPEG-4) Advanced output rate control with bandwidth smoothing Double-pass encode (offline mode only)	Audio and video adjustments (volume, brightness, contrast) Audio resampling Frame resizing, frame subsampling Scene change detection with adpative GOP Low delay mode Inverse Telecine / Deinterlace, Noise Filtering Error resilience (MPEG-4) Advanced output rate control with bandwidth smoothing	Audio and video adjustments (volume, brightness, contrast) Audio resampling Frame resizing, frame subsampling Scene change detection with adpative GOP Low delay mode Inverse Telecine / Deinterlace, Noise Filtering Error resilience (MPEG-4) Advanced output rate control with bandwidth smoothing Motion compensated temporal filtering, Look-ahead
Advanced Features			
	Batch/Preview/Command-line mode Presets and advanced configurations File recording Metadata insertion 3GPPv6 multirate output format (offline mode)	Store and Forward Presets and advanced configurations File recording	Store and Forward Presets and advanced configurations File recording
Control			
Local	Windows GUI Pre-programmable Setups	Front-panel LCD control Pre-programmable Setups	Front-panel LCD control Pre-programmable Setups
Remote	SNMP monitoring	SNMP control MIB and monitoring Web-based management, Available API for remote control	SNMP control MIB and monitoring Web-based management, Available API for remote control
Software			
Supported OS	Windows 2000/ Windows Server 2003/ XP Pro	N/A	N/A
Recommended Hardware	PC: Intel Pentium 4, 2.4Ghz, 256 MB RAM Capture card: Viewcast Osprey series	N/A N/A	N/A N/A
Physical and Power			
Dimensions	N/A N/A N/A	1RU 483 mm (W) x 508 mm (D) x 45 mm (H), 8kg 19" (W) x 20" (D) x 1.75" (H), 18 lbs	2RU 25" 483mm (W) x 508 mm (D) x /90 mm (H), 23kg 19" (W) x 20" (D) x 3.5"(H), 50lbs
Power Supply	N/A	100-240 VAC auto-ranging, 150 W maximum	100-240 VAC auto-ranging, 150 W maximum
Operating Conditions	N/A N/A N/A	Operating temperature: 0 to 50° C (32 to 122° F) Non-operating/storage -40 to 70° C (-40 to 158° F) Relative humidity: Non-operating: 95% at 30° C (86° F) no-condensing	Operating temperature: 0 to 50° C (32 to 122° F) Non-operating/storage -40 to 70° C (-40 to 158° F) Relative humidity: Non-operating: 95% at 30° C (86° F) no-condensing