



Imager	Lens Mount	Imager Sampling	Digital Sampling on Recording Media	Base ASA	Latitude	Frame Rates Progressive Only	Recording Format & Load Time	Bit Depth Recorded	Weight Lbs.	Power Draw	VF	Highlighted Positives	Average National Rental
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Phantom HD

Single > S35 CMOS	Film PL	2048 x 2048	2048 x 2048 Uncompressed RAW or selectable Lower	250	8.5 Stops	5-1052p @ 1920x1080	32G Internal RAM 6m10s @ 24f 60s@150f 30s@300f 8.9s@1000f	14 Bit	12 lbs.	80w	Color	High Speed Capability Uncompressed RAW Full Sized Imager Wide Latitude Compact Size	\$5000 Camera with 2 Cine Mags
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Sony F23

Three 2/3" CCD	Video B4	1920 x 1080	1920 x 1080	320	11-12 Stops	1-60p 4:4:4 (Docked) 1-30p 4:4:4 1-60p 4:2:2 (Undocked)	HDCAM SR 50 Min	10 bit	29 lbs. Docked 11 lbs. Camera Only	106w Docked	Color	Established Workflow 4:4:4 Color Sampling Wide Latitude	\$3300 with SRW-1 & SRPC-1
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Arri D-21 w/ Fiber

Single S35mm CMOS	Film PL	3018 x 2200	2880 x 2160 Uncompressed ARRIRAW 1920 x 1080 HDCAM SR	200 up to 800	10 Stops	20-60p 4:2:2 20-30p 4:4:4 20-25p RAW	ARRIRAW s.two - d.mag 48 min HDCAM SR 50 min	12 Bit ARRIRAW s.two 10 bit HDCAM SR	16 lbs. Camera 18 lbs. VTR	60w 56w SRW-1 VTR	Optical	4:4:4 4:2:2 and/or RAW Optical Viewfinder S35mm Imager Allows: - Anamorphic lenses - See outside frame lines - 35mm Depth of Field	\$3000 with SRW-1 & SRPC-1 or S.two
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Red One

Single S35mm CMOS	Film PL	4520 x 2540	2K 3K 4K	320	10 Stops	1-30p @4K 1-60p @3K 1-120p @2K	RedDrive 120 min RedFlash (8GB) 4.5 mins Red-Ram 60 min	12 bit	9 lbs. Camera Only	65w	Color	Cost vs. Performance S35mm Imager Allows: - See outside frame lines - 35mm Depth of Field	\$1,200 with Six 8GB Cards
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Panasonic HPX-3000







Three 2/3" CCD	Video B4	1920 x 1080	1920 x 1080	500	10 Stops AVC-I 9 Stops DVCPR	24p, 25p 30p	5 - P2 Cards AVC-I 100 DVCPRO HD 100 min ¹	10 bit AVC-I 8 Bit DVCPRO	10.5 lbs	43w	B&W	"HD D5" Quality 4:2:2 Color Sampling Full 1920x1080 Cost vs. Performance w/P2 proven workflow	\$1,100 with Five 16GB Cards
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Sony HDW-F900

Three 2/3" CCD	Video B4	1920 x 1080	1440 x 1080	320	F900R 9 Stops F900/3 9 Stops F900/2 7.5 Stops	24p, 25p 30p	HDCAM 50 Min	8 bit	F900R 12 lbs. F900/3 17.6 lbs F900/2 17.6 lbs	F900R 34w F900/3 42w F900/2 2	B&W or Color	Industry Workhorse Proven Easy Workflow	F900R \$1200 F900/3 \$1100 F900/2 \$950
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Imager Size	Lens Mount	Imager Sampling	Digital Sampling on Recording Media	ASA	Dynamic Range	Frame Rates Progressive Listed Only	Recording Format & Load Time	Bit Depth Recorded	Weight Lbs.	Power Draw	VF	Highlighted Positives	Average National Rental
	Three 2/3" Video CCD	B4	1280 x 720	500	10 Stops AVC 9 Stops DVCPR	24p, 25p, 30p, 50p, 60p	5 - P2 Cards AVC-I DVCPRO 100 min ¹	10 bit AVC-I 8 Bit DVCPRO	10 lbs.	43w	B&W Color	HD D-5 quality @ relatively low data & rental rates Also Record 1080	\$700 w/ five 16GB Cards
	Three 2/3" Video CCD	B4	1280 x 720	640 Video Rec 320 Film	9 Stops	4-60p	DVCPRO HD 32 min	8 bit	16.8 lbs	36w	B&W	Variable Frame Industry Workhorse	\$800
	Three 2/3" Video CCD	B4	1280 x 720	500	9 Stops	24p, 25p, 30p, 50p, 60p	DVCPRO HD 32 min	8 bit	16.7 lbs	36w	B&W Color	Cost	\$600
	Three 1/2" CMOS	FIXED Cannot Change Lenses	1920 x 1080	800	7 Stops	1-60p fps @ 720 1-30p fps @ 1080	2 - SxS Cards 100 min	8 bit	6.2 lbs	13w	Color + Color Flipout LCD	Cost 1/2" Imager Full 1920x 1080 imager and recording	\$375 w/ two 16GB cards
	Three 1/3" Video CCD	FIXED Cannot Change Lenses	960 x 540	320	7 Stops	6p, 12p, 18p, 20p, 22p, 26p, 30p, 32p, 36p 48p, 60p	2 - P2 Cards 80 min	8 bit	5.3 lbs	14w	B&W	Cost P2 Workflow Most Established Tapeless Workflow	\$375 w/ two 16GB cards
	Single S35mm Kodak 5219 Vision 3	Film PL Not Applicable	1920x1080 2K 4K 6K Uncompressed	500	14 Stops	1- 60p	3 Perforation 5m55s 400' 14m48s 1000' 4 Perforation 4m26s 400' 11m 06s 1000'	16 bit (Linear) 10 bit (log)	25 lbs 400' 28 lbs 1000'	55w	Optical	Established Workflow Excessive Latitude Proven Archival Value	\$2,000 w/2 Mags

for comparison Arricam ST



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