

Function list of i-pro camera /encoder

November. 9 2009

Item				Model number									
Venti	Grande	Tall	Short	WV-NP502 WV-NW502	WV-NP244	WV-NF284	WV-NS202A	WV-NS950 WV-NW960	WV-NW484	WV-NF302 WV-NP304	WV-NP1000	WJ-NT304	WJ-NT314
Video	MPEG-4	The number of access user (Maximum)	Audio OFF	14 (12 + 2(Priority stream))	8	8	8	8	8	16	8	8	8
			Audio ON	14 (12 + 2(Priority stream))	8	8	8	8	8	12	8	8	8
		Transport protocol	RTP/RTCP (RTSP control)	Yes	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	N/A	N/A	N/A
			RTP/RTCP over RTSP	Yes	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	N/A	N/A	N/A
			RTP/RTCP over RTSP over HTTP	Yes	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	N/A	N/A	N/A
			RTP (CGI control)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Unicast / Multicast distribution	Unicast	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			Multicast	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Meta data	VMD information	Yes	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	N/A	N/A	N/A
			Time stamp	Yes	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes	N/A	N/A	N/A
			Face detection	Yes	-	-	-	-	-	-	-	-	-
			AVMD information	-	-	-	-	-	-	-	-	-	Yes
		Stream control	Forced I-frame insertion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			Framerate control	Yes	Yes *3	Yes *3	Yes *3	Yes *3	Yes *3	Yes *3	N/A	N/A	N/A
		2 stream with dfferent settings	Different bitrate, quality, resolution, uni/multi	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		misc,	Change I frame interval 0.2sec, 0.33sec, 0.5sec, 1sec, 2sec, 3secm. 4sec. 5sec	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Partially) *8	Yes (Partially) *8	Yes (Partially) *8
			Supported resolution	VGA QVGA *4	VGA QVGA *4	VGA QVGA *4	VGA QVGA *4	VGA QVGA *4	VGA QVGA *4	VGA QVGA *4	VGA QVGA	VGA QVGA	VGA QVGA
			Supported quality setting	Fine Normal Low *4	Fine Normal Low *4	Fine Normal Low *4	Fine Normal Low *4	Fine Normal Low *4	Fine Normal Low *4	Fine Normal Low *4	Fine Normal Low	Fine Normal Low	Fine Normal Low
			Change bitrate	Yes *4	Yes *4	Yes *4	Yes *4	Yes *4	Yes *4	Yes *4	Yes	Yes	Yes
			Change bitrate as below; - 4096kbps framerate priority - Unlimited framerate priority	Yes	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	N/A	N/A	N/A
			Priority stream	Yes (2 stream)	N/A	N/A	N/A	N/A	N/A	Yes (1 stream)	N/A	N/A	N/A

[illegible]

Item				Model number										
Venti	Grande	Tall	Short	WV-NP502 WV-NW502	WV-NP244	WV-NF284	WV-NS202A	WV-NS950 WV-NW960	WV-NW484	WV-NF302 WV-NP304	WV-NP1000	WJ-NT304	WJ-NT314	
Audio	G.726	Transport protocol	RTP/RTCP (RTSP control) with MPEG-4	Yes	Yes *1	Yes *1	Yes *1	Yes *1	-	Yes *1	N/A	N/A	N/A	
			RTP/RTCP over RTSP with MPEG-4	Yes	Yes *1	Yes *1	Yes *1	Yes *1	-	Yes *1	N/A	N/A	N/A	
			RTP/RTCP over RTSP with MPEG-4	Yes	Yes *1	Yes *1	Yes *1	Yes *1	-	Yes *1	N/A	N/A	N/A	
			RTP (CGI control) with MPEG-4	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	
		Transmission method	HTTP with MJPEG	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
			Unicast	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
			Multicast	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
			Audio output (PC to Camera) *4	Yes	-	-	Yes	Yes	-	Yes	-	Yes	Yes	Yes
		misc.	Full duplex	Yes	-	-	Yes	Yes	-	Yes	-	Yes	-	-
			Supported bitrate	32kbps 16kbps	32kbps 16kbps	32kbps 16kbps	32kbps 16kbps	32kbps 16kbps	-	32kbps 16kbps	32kbps 16kbps	32kbps 16kbps	32kbps 16kbps	32kbps 16kbps
			Mic input interval 20msec, 40 msec, 80msec,160 msec	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes
			Audio output interval 160msec, 320msec, 640msec.	Yes	-	-	Yes	Yes	-	Yes	-	Yes	-	Yes
Camera control	Pan /Tilt	Panning range		-	-	-	0 to 350 degree	360 degree endless	-	-	-	-	-	
		Tilting range		-	-	-	-30 to -90 degree	-5 to 185 degree	-	-	-	-	-	
		The number of the preset positions		-	-	-	64	256	-	-	-	-	-	
		Auto mode	Auto pan	-	-	-	Yes	Yes	-	-	-	-	Yes	Yes
			Sequence	-	-	-	Yes	Yes	-	-	-	-	Yes	Yes
			Auto tracking	-	-	-	Yes	Yes	-	-	-	-	-	-
			Sort	-	-	-	-	Yes	-	-	-	-	Yes	Yes
			Patrol	-	-	-	-	Yes	-	-	-	-	-	-
		misc.	Continuous command (CGI)	-	-	-	Yes	Yes	-	-	-	-	N/A	N/A
	Imaging	Focus	Manual	-	-	-	Yes	Yes	-	-	-	-	-	-
			Auto	-	-	-	Yes	Yes	-	-	-	-	-	-
		ABF		Yes	-	-	-	-	Yes	-	Yes	-	-	-
		Optical zoom		-	-	-	Yes	Yes	-	-	Yes	-	-	-
		El-zoom		Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	-	-	-
		Sensitivity up		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
		Black & white mode		Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-
		White balance		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
		Camera title (on the OSD)		Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A
		Digital noise reduction (DNR)		Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	-	-
		Image hold		-	-	-	Yes	Yes	-	-	-	-	-	-
		Image stabilization		Yes	-	-	-	Yes	Yes	Yes	-	-	-	-
		Privacy zone		Yes	-	-	Yes	Yes	-	-	-	-	-	-
		Adaptive black stretch		Yes	-	-	-	-	-	Yes	-	-	-	-
		SD3		Yes (Mega SD)	-	-	Yes	Yes	Yes	-	-	-	-	-

Item				Model number									
Venti	Grande	Tall	Short	WV-NP502 WV-NW502	WV-NP244	WV-NF284	WV-NS202A	WV-NS950 WV-NW960	WV-NW484	WV-NF302 WV-NP304	WV-NP1000	WJ-NT304	WJ-NT314
Alarm	I/O control	AUX output control		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Get alarm terminal input status (PULL)		Yes	Yes *2	Yes *2	Yes *2	Yes *2	Yes *2	Yes *2	N/A	N/A	N/A
		Notification by changing the alarm terminal input status (PUSH)	Use HTTP session in each notification	Yes	Yes *2	Yes *2	Yes *2	Yes *2	Yes *2	Yes *2	N/A	N/A	N/A
			Use same HTTP session in each notification, and notify every 15	N/A	Yes *10	Yes *10	Yes *10	Yes *10	Yes *10	Yes *10	N/A	N/A	N/A
		Reset the alarm terminal		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Change default setting status of the terminal input 1		N/A	Yes *10	Yes *10	Yes *10	Yes *10	Yes *10	Yes *10	N/A	N/A	N/A
	Alarm function	Protocol & Method	TCP notification	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			HTTP notification	Yes 5 destinations.	Yes 5 destinations.	Yes 5 destinations.	Yes 5 destinations.	Yes 5 destinations.	Yes 5 destinations.	Yes 5 destinations.	Yes 1 destination.	Yes 1 destination.	Yes 1 destination.
			SMTP notification	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			FTP transmission	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Alarm trigger	Terminal input	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			VMD (Motion detection)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes
			AVMD	-	-	-	-	-	-	-	-	-	Yes
			Command alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			Scene change detection	-	-	-	-	-	Yes	-	Yes	-	-
			Camera site alarm	-	-	-	-	-	-	-	-	Yes	Yes
			Video loss	-	-	-	-	-	-	-	-	Yes	Yes
		VMD	VMD sensitivity	15 level	6 level *3	6 level *3	6 level	6 level	6 level *3	15 level	3 level	-	-
			The number of VMD area	4	4	4	4	4	4	4	4	-	-
			VMD sensitivity level for each area	Yes	-	-	-	-	-	-	Yes	-	-
Other functions	Security	Authentication	User authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			Host authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Network	DNS		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		DDNS		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		IPv6		Yes	-	-	-	-	-	Yes	-	-	-
		NTP		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Configuration	Get model information		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Get capability		Yes	Yes *2	Yes *2	Yes *2	Yes *2	Yes *2	Yes *2	N/A	N/A	N/A
		Get setup data (HTTP)		Yes	Yes *1	Yes *1	Yes	Yes	Yes	Yes *2	Yes *2	N/A	N/A
	Image recognition	Face detection	XML notification	Yes	-	-	-	-	-	-	-	-	-
			meta information	Yes	-	-	-	-	-	-	-	-	-
	Maintenance	Initialization	HTML	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			setup data (except network data)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			HTML & setup data (except network data)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			Position refresh	-	-	-	Yes	Yes	-	-	-	N/A	N/A
			Reset	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		System log		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
		Automatic installation of Viewer software		Yes	-	-	Yes	Yes	Yes	Yes	-	N/A	N/A

*1 These functions are supported from Jun. 2008 firmware.

*2 These functions are supported from Oct. 2008 firmware.

*3 These functions are supported from Jan. 2009 firmware.

*4 These models are available to change this setting without disconnect any current streams

*5 When 'full scan mode' is selected

*6 When 'partial scan mode' is selected

*7 When 'ON' is selected for 'Internet mode (RTSP mode)', the audio output function isn't available to use.

*8 1sec, 2sec, 3secm, 4sec, 5sec are supported by these models.

*9 2048x1536 is selectable when the image capture mode is 3 mega pixel.

QVGA is selectable when the image capture mode is 1.3 mega pixel.

*10 These functions are supported from Oct. 2009 firmware.