Introduction of NP502/ NW502 enhancement

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Security & AV Systems Business Unit
Panasonic System Networks Company

NP502/ NW502 firmware enhancement

1 Support HD/720 mode and HD/1080 mode

2 Support SVGA (800x600) mode

3 H.264 SD memory recording

4 Face detection with Super Dynamic

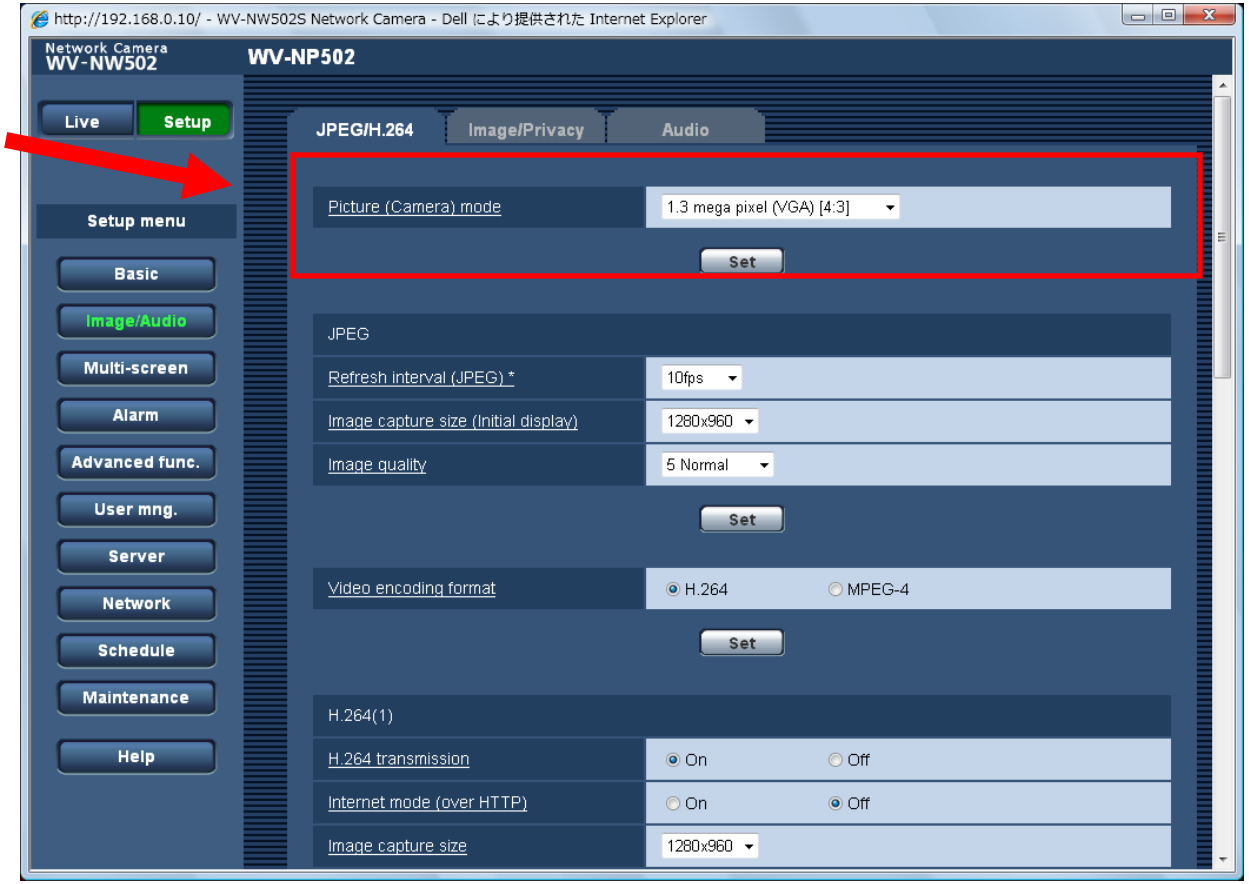
	Firmware version	Driver soft version
WV-NP502 WV-NW502S	Ver.1.10	Ver.1.06

HD/720, HD/1080 support

1. Setting value composed of the aspect ration (4:3/ 16:9) will be introduced
2. 800x600 (SXVGA) has been added to the available Image capture sizes

【Picture mode】

1.3 megapixel（VGA） [4 : 3]
1.3 megapixel（SVGA) [4 : 3]
1.3 megapixel [16 : 9]
3.0 megapixel [4 : 3]
3.0 megapixel [16 : 9]

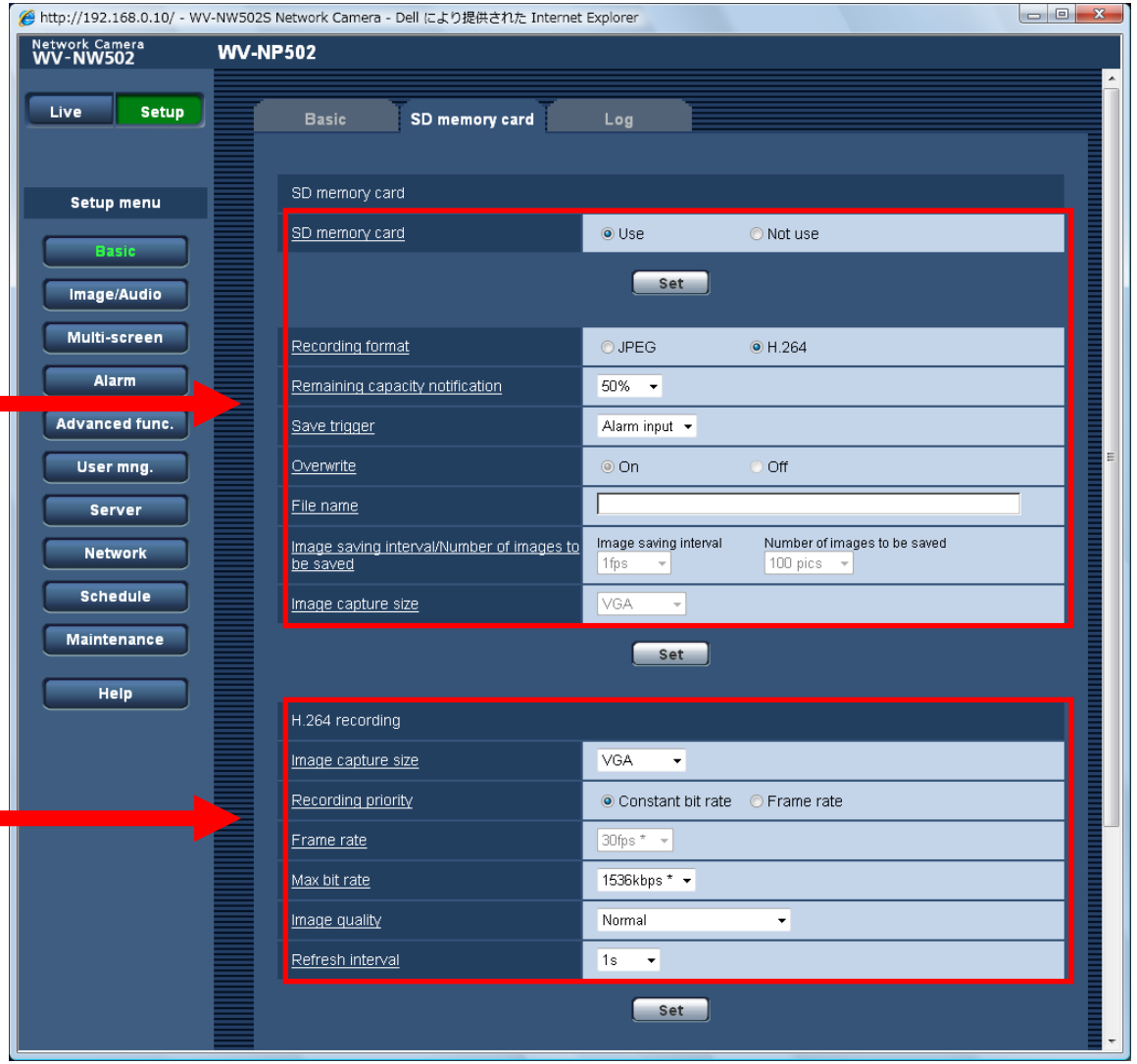


Record H.264 video onto SD card

1. H.264 video recording on SD memory card
2. MPEG4 video recording on SD memory card

【Save trigger】
The following value are available as a save trigger
1. Alarm input
Records a video at an Alarm occurrence
2. Manual
Records video manually

【Recording priority】
Select “Constant bit rate” or “Frame rate specified”
【Frame rate】
Select the frame rate for images to be recorded from 1fps - 30fps



Record H.264 video onto SD card

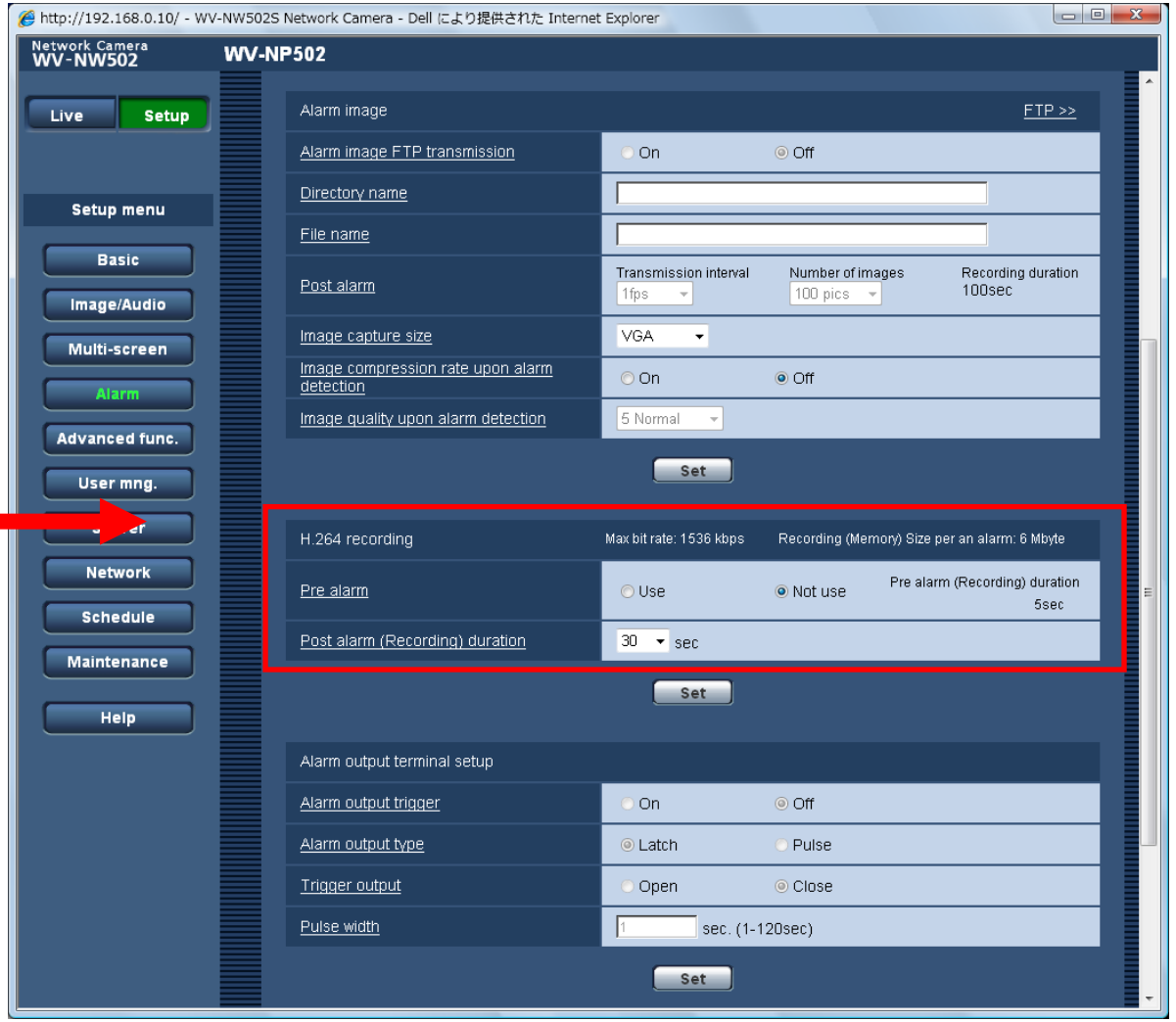
1. Pre alarm recording on SD memory card
2. Post alarm (recording) duration on SD memory card

【Pre alarm】
Determine whether or not to perform the pre-alarm recording. When “Use” is selected, approx. 1MB image data Is always saved during the pre alarm recording

【Post alarm duration】

Set the duration to save image data on the SD memory card after an alarm occurrence.

10-300 sec



Picture mode and resolution table

Picture mode	Image capture size for video			Image capture size for still picture
	H.264(1)	H.264 (2)	Videos recorded on SD memory card	JPEG
1.3 Megapixel [4 : 3] (Max. 30fps)	1280×960(SXVGA) 640×480(VGA) 320×240(QVGA)	640×480(VGA) 320×240(QVGA)	1280×960(SXVGA) 640×480(VGA) 320×240(QVGA)	1280×960(SXVGA) 640×480(VGA) 320×240(QVGA)
1.3 Megapixel [4 : 3] (Max. 30fps)	1280×960(SXVGA) 800×600(SVGA) 320×240(QVGA)	800×600(VGA) 320×240(QVGA)	1280×960(SXVGA) 800×600(VGA) 320×240(QVGA)	1280×960(SXVGA) 800×600(SVGA) 320×240(QVGA)
1.3 Megapixel [16 : 9] (Max. 30fps)	1280×720(720p) 640×360 320×180	640×360 320×180	1280×720(720p) 640×360 320×180	1280×720(720p) 640×360 320×180
3.0 Megapixel [4 : 3] (Max. 15fps)	1280×960(SXVGA) 640×480(VGA) 320×240(QVGA)	640×480(VGA) 320×240(QVGA)	1280×960(SXVGA) 640×480(VGA) 320×240(QVGA)	2048×1536 1280×960(SXVGA) 640×480(VGA)
3.0 Megapixel [16 : 9] (Max. 15fps)	1920×1080(1080p) 640×360 320×180	640×360 320×180	640×360 320×180	1920×1080(1080p) 640×360 320×180

*H.264(2) doesn't work when H.264 are selected for SD memory card recording

Face detection with Super Dynamic

Set
Face detection turn ON
Super Dynamic turn ON

Provides better identification on the face and around the face even under the high lighting contrast situation