Panasonic

This document describes BL-VT164 firmware version up（Application Firmware）Information.
1. Release version： Version 2.50
2. Release Note Reference Number： VT164_013

BL-VT164/VT164W/VP104/VP104W/VP101 Firmware Release Note

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

Contents

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	Applicable Models (BL-VT164 / BL-VT164W / BL-VT164E / BL-VT164WE / BL-VT164U / BL-VT164WU)	BL-VT164H	BL-VP104WE / BL-VP104WU	BL-VP104E / BL-VP104U	BL-VP101 / BL-VP101E / BL-VP101U	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
1.44 Mar.,'12	x	-	-	-	-			C		Automatic configuration does not work.	Initial start up.	Fixed to work properly.
	x	-	-	-	-				x	Unable to receive the status of VMD by cgi command "get_io" （Occurrence frequency : High）	Attempting to get status by CGI command only.	Fixed to receive status of VMD properly.
	x	-	-	-	-				x	Extra information (*) on VMD may not be added. （Occurrence frequency : Low） *: Information for enabling advanced search on WV-NV200 series and some other recorders.	Transmitting (1) and (2) of stream (H.264, MPEG-4) simultaneously and make connect/disconnect repeatedly.	Fixed to add information of VMD properly.
	x	-	-	-	-				x	-	-	Added status (either enable or disable) of PRIVACY button in "camsetup.txt".
	x	-	-	-	-				x	-	-	Improved white balance (ranging at color temperature).
	x	-	-	-	-				x	Hunting may occur at White Balance.	-	Fixed
	x	-	-	-	-				x	Unable to monitor self camera from WAN.	Through internet.	Fixed
	x	-	-	-	-				x	Focus Assist page may be displayed, unexpectedly.	At power on.	Fixed
	x	-	-	-	-				x	Error may occur at RTC initialization.	-	Fixed.
1.45 Apr.,'12	x	-	-	-	-			C	x	Error of exceeding limit for number of access occur.	Depends on a certain procedure while connect/disconnect network repeatedly due to network environment.	Fixed
	x	-	-	-	-				x	Unnecessary data is added onto WhiteBalance->Mode by GetVideoSourceResponse.	On ONVIF®.	Fixed
	x	-	-	-	-				x	ONVIF® command "ContinuousMove_Ptz_Conf2" makes Pan/Tilt moving to direction of "+" (plus) although specifying a value between "-0.1" and "-0.999". （Occurrence frequency : High）	Received ONVIF® command "ContinuousMove_Ptz_Conf2" and specified a value between "-0.1" and "-0.999".	Fixed to work correctly.
	x	-	-	-	-				x	Unable to change rtsp port by cgi command "/cgi-bin/set_rtsp?rtsp_port=1035".	Attempting to change port by CGI command only.	Fixed.
1.46 June,'12	x	x	-	-	x			C	x	-	-	Correct Chinese and Spanish texts.
	x	x	-	-	x				x	Video streaming may be stopped when receiving a command.	In a case start streaming/stop streaming in RTSP were switched, repeatedly.	Fixed not to stop streaming.
	x	x	-	-	x				x	Restart due to buffer overflow at IPv6 address.	ONVIF®	Fixed not to restart.
	-	-	-	-	-				x	Unable to switch polarity between N.O. and N.C. for alarm input.	-	Fixed.
1.66 (4.10.02) Jan., '13	x	x	x	x	x			C	x	-	-	Supported the cgi commands as follows; - /Set,Get?Func=ImageTransfer to set alarm notifications and to receive setting values - /Get?Func=Pan,Tilt to receive available Pan/Tilt ranges - /Set?Func=Network to set network - /Set,Get?Func=Upnp to set Upnp and to receive setting values - /ImageViewer - /Set?Func=Network to add dns parameters

This document describes BL-VT164 firmware version up（Application Firmware）Information.
1. Release version： Version 2.50
2. Release Note Reference Number： VT164_013

June 1, 2018
Panasonic Corporation

Panasonic

Contents

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	Applicable Models					Priority Rank Level				Issue (Phenomenon)	Occurrence condition	Correspondence
	BL-VT164 / BL-VT164W / BL-VT164E / BL-VT164WE / BL-VT164U / BL-VT164WU	BL-VT164H	BL-VP104WE / BL-VP104WU	BL-VP104E / BL-VP104U	BL-VP101 / BL-VP101E / BL-VP101U	A	B	C	U			
1.66 (4.10.02) Jan., '13	x	x	x	x	x			C	x	-	-	Added cgi commands to receive the capability information as follows from camera: 1. Aspect ration of image sensor 2. Possibility of SSL 3. Capable ranges to set Pan and Tilt by absolute degree. 4. Possibility of Super Dynamic Range/Wide Dynamic Range
	x	x	x	x	x				x	-	-	Added parameters with the cgi command "/cgi-bin/camposiset" so that responses of cgi registration can be simplified.
	x	x	x	x	x				x	-	-	Supported available to call "Image adjust" setup menu by URL directly.
	x	x	x	x	x				x	-	-	More improved live picture to be smoothed.
	x	x	x	-	-				x	Unable to Pan/Tilt control from CU950.	In a case, WV-CU950 is connected with WV-ASM200.	Fixed to control.
1.67 (4.10.02) Mar., '13	x	x	x	-	-			C	x	-	-	Improved an issue that picture swings left-right while panning in slow by certain cgi command.
1.80 (4.17.01) Jul., '13	x	x	x	x	x			C	x	-	-	Added "Advanced VBR" to the "Transmission priority" of H.264.
	x	x	x	x	x				x	-	-	Changed to an optional function of "Face detection outline display" and "Advanced func."effective from newly production units in July, 2013. This is effective from newly production units only and nothing influences existing units (which the function is already usable) even if the firmware version 1.80 (and newer) would be installed.
	x	x	x	x	x				x	-	-	Added a message of "Time past from the date of manufacture" in the page of Upgrade (Maintenance).
	x	x	x	x	x				x	-	-	Added "Auto" as choice in language selection.
	x	x	x	x	x				x	-	-	Changed the settings about "Time zone" and "Summer time" from NTP (Server) to Basic (Basic).
	x	x	x	x	x				x	-	-	Added "Area" selection to the "DDNS" setting.
	x	x	x	x	x				x	-	-	Added "HTTP alarm notification".
	x	x	x	x	x				x	-	-	Added "Forcible black & white mode", "Forcible Super Dynamic" and "Forcible WDR" to the schedule.

Panasonic

This document describes BL-VT164 firmware version up（Application Firmware）Information.
1. Release version： Version 2.50
2. Release Note Reference Number： VT164_013

BL-VT164/VT164W/VP104/VP104W/VP101 Firmware Release Note

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

Contents

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	Applicable Models (BL-VT164 / BL-VT164W / BL-VT164E / BL-VT164WE / BL-VT164U / BL-VT164WU)	BL-VT164H	BL-VP104WE / BL-VP104WU	BL-VP104E / BL-VP104U	BL-VP101 / BL-VP101E / BL-VP101U	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
	x	x x	x	x	x				x	-	-	Supported case of missing "/" (slash) at the end of "HTTP" in path or header "Host:".
	x	x x	x	x	x				x	-	-	Added "Initial display stream on the browser" setting.
	x	x x	x	x	x				x	-	-	Added Internet function.
	x	x x	x	x	x				x	-	-	Added the following returned values of CGI that is to receive built-in functions of the camera; 1) Type of license for Key Management System. 2) Advanced VBR. 3) Fog compensation.
	x	x x	x	x	x				x	-	-	Removed the version information of ONVIF® from the CGI to receive status of built-in function.
1.80 (4.17.01) Jul., '13	x	x x	x	x	x			C	x	-	-	Improved response time for HTTPS access.
	x	x x	x	x	x				x	-	-	Supported the combination of Windows 8 and Internet Explorer 10.
	x	x x	x	x	x				x	Concerning with CGI commands, unable to receive the values of zooming.	CGI commands as follows on the models. (1) /Get?Func=Zoom&Kind=1&Option=1 (2) /nphPtzf?Func=Get	Fixed to receive values.
	x	x x	x	x	x				x		Improved that Authentication error took some time while connecting with Digest Authentication.
	x	x x	x	x	x				x	Unable to access the camera.	In a case UPnP is set to "ON".	Fixed to access the camera, properly.
	-	- -	-	-	-				x	-	-	Changed archive file format for installation file from executable file to cabinet file that is to install ActiveX upon accessing browser.
Added on Oct. 25, 2013	X	X X							X	System controller (Model WV-CU950) moves Pan/Tilt on the camera all the way although the joystick released right after moving it with desired direction slightly.	-	Fixed .
1.81 (4.17.01) Aug., '13	x	x x	x	x	x			C	x	Transmission may be stopped by sending the CGI (get_io) to obtain the status of alarm terminals and VMD.	In a case, sending the CGI (get_io) to obtain the status of Alarm terminals and VMD repeatedly.	Fixed not to stop transmission.

Added on Sept. 11, 2013

Important Information to upgrade/downgrade the firmware.

You can install any firmware version for the products manufactured prior to July 2013.
But only firmware version 1.80 and newer can be installed for the products manufactured in July 2013 and after (Serial Number "MGxxxx", "MHxxxx", "MIxxxx" and so on).

Panasonic

This document describes BL-VT164 firmware version up（Application Firmware）Information.
1. Release version： Version 2.50
2. Release Note Reference Number： VT164_013

June 1, 2018
Panasonic Corporation

BL-VT164/VT164W/VP104/VP104W/VP101 Firmware Release Note

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

Contents

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	Applicable Models					Priority Rank Level				Issue (Phenomenon)	Occurrence condition	Correspondence
	BL-VT164/BL-VT164W/BL-VT164E/BL-VT164WE/BL-VT164U/BL-VT164WU	BL-VT164H	BL-VP104WE/BL-VP104WU	BL-VP104E/BL-VP104U	BL-VP101/BL-VP101E/BL-VP101U	A	B	C	U			
1.82 (4.17.01) Nov., '13	x	x	x	x	x			C	X	-	-	Language of E-mail notification in Notification tab is selected to either Japanese (if language selection were Japanese) or English (if language selection were non Japanese) automatically.
	x	x	x	x	x				X	-	-	Added Portuguese as a choice at [Select language] pull-down menu.
	x	x	x	x	x			X		The browser showed "500 Internal Server Error".	<PAL models only> When setting 3fps in MOTION JPEG by CGI command.	Fixed.
	x	x	x	x	x				X	Time difference between on-screen and NTP of RTCP was bigger and bigger.	-	Fixed.
	x	x	x	x	x				X	Camera moved into Safe mode.	In a case upgrading the driver firmware after registering ONVIF®.	Fixed to start up, properly.
	x	x	x	x	x				X	The System log may showed incorrect reasons for errors at "Not found Panasonic alarm protocol notification".	-	Fixed.
2.00 (4.17.01) Feb., '14	x	x	x	x	x			C	x	-	-	Added FTP transmitting Pre alarm picture.
	x	x	x	x	x				x	-	-	Added hyper-link to the "Support Information on network camera (WV Series)" in the page of firmware upgrade.
	x	x	x	x	x				x	-	-	Added "Alarm deactivation time" setting so that various deactivation time (such as 5s/10s/30s/1min/3min/5min/10min) can be set (instead of 5-sec fixed).
	x	x	x	x	x				x	-	-	Made possible to choose "BASELINE" or "HIGH" as H.264 Profile by CGI command.
	x	x	x	x	x				x	-	-	Improved sensitivity for VMD by CGI command.
	x	x	x	x	x				x	-	-	Improved outputting frame rate while setting Max. bit rate were lower value in Advance Variable Bit Rate (AVBR).
	x	x	x	x	x				x	-	-	In ONVIF®, supported Video Source Mode (Image Capture Mode) command.
	x	x	x	x	x			x		Time stamp information may not be on the stream. (Occurrence frequency: Low)	When error occurred at H.264 video transmission.	Fixed to the stream contains time stamp information.
2.01 (4.17.01) Apr., '14	x	x	x	x	x			C	x	-	-	Added a recommendation for enabling Compatible View setting on IE10 and IE11 if it were NOT enabled.
	x	x	x	x	x				x	-	-	Added a hyper-link for the page of Support Information on title bar at the top of the Live picture.
	x	x	x	x	x			x		When changing storage time of sensor to slow, a noise appears.	On firmware version 2.00.	Fixed.

Panasonic

BL-VT164/VT164W/VP104/VP104W/VP101 Firmware Release Note

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

Contents

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	BL-VT164 / BL-VT164W / BL-VT164E / BL-VT164WE / BL-VT164U / BL-VT164WU	BL-VT164H	BL-VP104WE / BL-VP104WU	BL-VP104E / BL-VP104U	BL-VP101 / BL-VP101E / BL-VP101U	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
2.03 (4.17.01) Aug., '14	-	-	-	-	-			C	x	-	-	Changed factory default value at Network Setting to "DHCP".
	BL-VT164WBR and BL-VT104WBR only											
2.04 (4.17.01) Aug., '14	x	-	x	x	x				x	-	-	Improved the interface for connecting with ~~claud~~ cloud server.
											Corrected typo on Sept. 10, 2014	
Ver2.30 (4.27.0.2) Feb., 2016	x	x x	x	x				C	x	-	-	Improved not to access unnecessary memory. -------------------------------- Changing configuration settings by CGI commands as follow for Capture size, Bit rate and Frame rate, will be stored onto Flash-ROM. But it will be done if the CGI command contains another parameter. Also, it will be done if the command contains 2 or more parameters.
	x	x x	x	x					x	-	-	/set_h264?nr_framerate /set_h264?nr_h264_quality /set_h264?nr_h264_resolution /set_h264?nr_h264_bandwidth /set_h264_2?nr_framerate /set_h264_2?nr_h264_quality /set_h264_2?nr_h264_resolution /set_h264_2?nr_h264_bandwidth /setdata?H264NRFRAMERATE /setdata?H264NRFRAMERATE_2
	x	x x	x	x					x	-	-	Added a notice for each screen that alarm notification will not be appeared while displaying VMD.
	x	x x	x	x					x	-	-	Regarding the header (WS-Addressing) which is attached with ONVIF® commands, supported WS-Addressing in August 2004, used to be the one in August 2005 only.

Panasonic

This document describes BL-VT164 firmware version up（Application Firmware）Information.
1. Release version： Version 2.50
2. Release Note Reference Number： VT164_013

BL-VT164/VT164W/VP104/VP104W/VP101 Firmware Release Note

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

Contents

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	BL-VT164 / BL-VT164W / BL-VT164E / BL-VT164WE / BL-VT164U / BL-VT164WU	BL-VT164H	BL-VP104WE / BL-VP104WU	BL-VP104E / BL-VP104U	BL-VP101 / BL-VP101E / BL-VP101U	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver2.40 (4.27.0.2) Apr., 2016	x	x	x	x	x			C	x	-	-	1. Changed factory default setting value at User Authentication from "OFF" to "ON". 2. Deleted pre-registered User name (admin), and Password (12345). 3. All users must register User name(s) and Password(s) at initial access. - User name: 1 to 32 characters - Password; 8 to 32 characters, two or more types of characters among alphabets, numbers and symbols. Note: Currently registered User name(s) and Password(s) will NOT be deleted by upgrading firmware, however, you have to register them under the new policy (above "3") after initializing (default reset) by the INITIAL SET button or by the setup menu.
Ver2.43 (4.27.0.7) July, 2017	x	x	x	x	x				x	-	-	Changed company name to the new company name in the plug-in (ActiveX) software.
	x	x	x	x	x			C	x	-	-	Updated the URL of the support WEB site displayed on the screen.
	x	x	x	x	x				x	Screen may show solid black.	-	Fixed. Improved fail-safe processing at the occurrence of abnormality of image encoding processing unit so that to avoid displaying solid black.
	x	x	x	x	x				x	WV-SW458 unable to transmit more than 4Mbps.	On ONVIF®.	Fixed.
Ver2.44 (4.27.0.7) Feb., 2018	x	x	x	x	x				x	-	-	Improved security.
	x	-	x	-	-			C	x	For BL-VT164W, BL-VT164WE, BL-VT164WU, BL-VP104WE and BL-VP104WU only; -	-	Fixed the vulnerability of WPA 2.
	x	x	x	x	x				x	Unable to display MJPEG images with live images in Google Chrome.	On Google Chrome V64 beta for Windows.	Fixed.
Ver2.50 (4.27.07) Jun.,'18	x	x	x	x	x			C	x	-	-	Changed factory default setting for Authentication method; Previous: "Digest or Basic" New: "Digest" For more details: security_upgrade_June2018.pdf

Panasonic

This document describes BL-VT164 firmware version up（Application Firmware）Information.
1. Release version： Version 2.50
2. Release Note Reference Number： VT164_013

BL-VT164/VT164W/VP104/VP104W/VP101 Firmware Release Note

Priority Rank Level
A: Recommend to apply (Major or serious update)
B: When issue happened
C: Maintenance timing
U: Function /Performance improvement (Not Necessary to update)

Contents

*: ONVIF is a trademark of Onvif, Inc.

VER (ActiveX VER) Release Date	Applicable Models BL-VT164 / BL-VT164W / BL-VT164E / BL-VT164WE / BL-VT164U / BL-VT164WU	BL-VT164H	BL-VP104WE / BL-VP104WU	BL-VP104E / BL-VP104U	BL-VP101 / BL-VP101E / BL-VP101U	Priority Rank Level	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver2.50 (4.27.07) Jun.,'18	x	x	x	x	x	C				x	-	-	Changed password policy that it must include at least 3 types of characters among "upper case letters / lower case letters / numbers / symbols". For more details, click here. Note: Original passwords and authentication method of products on the system are kept unchanged even firmware and software have been updated. For more details: security_upgrade_June2018.pdf
	x	x	x	x	x					x	Streaming may stop at camera startup while setting in multicast streaming.	-	Fixed.