

## IP-900D/IP-900IID/IP-920D V02L062 Enhancement List

Modified Item

No.	Affected Region & Version	Description
1	IP-900D/IP-900IID/IP-920D (V01L001~V02L061)	CVE-2023-38433: Vulnerable to use of hard-coded credentials  Addressing the above problem that authentication information of the Web interface of the product may be obtained by reverse engineering, etc.

## IP-900D/IP-900IID/IP-920D V02L061 Enhancement List

**(Released Date: June 5<sup>th</sup>, 2020)**

Modified Item

No.	Affected Region & Version	Description
1	IP-900D/IP-900IID/IP-920D (V01L001~V02L060)	CVE-2020-8597: Affected by buffer overflow vulnerability in pppd.  Addressing potential Denial of Service (DoS) attacks when using PPPoE.

## IP-900D/IP-900IID/IP-920D V02L060 Enhancement List

**(Released Date: May 28<sup>th</sup>, 2018)**

New Features

No.	Item	Description
1	MIB file and OSS license sheet became to be downloaded.	You can download MIB file and OSS license sheet from web GUI.
2	GUI for smartphone has been enhanced.	User authentication is now available in case of using GUI for smartphone.

## IP-900D/IP-900IID/IP-920D V02L052 Enhancement List

(Released Date: October 5<sup>th</sup>, 2016)

Modified Item

No.	Affected Region & Version	Description
1	IP-920D (V02L002~V02L050)	Permissible range of swing of reference input has been expanded for tolerance improvement of video decoding.
2	IP-900D/IP-900IID/IP-920D (V02L050)	Following bug has been fixed. In case of low frame rate that has been enhanced at V02L050, there were few cases* that video signal looks swinging. (*: Depended on video sources.)
3	IP-900D/IP-900IID/IP-920D (V01L001~V02L050)	Following bug has been fixed. Because of poor network conditions, there were few cases that error correction didn't work well, decode error happened and past image stored in memories appeared. (Very rare case)

## IP-900D/IP-900IID/IP-920D V02L050 Enhancement List (Released Date: December 22<sup>nd</sup>, 2015)

New Features

No.	Item	Description
1	Expand video resolution and frequency (1080p / 29.97Hz) capability for decode	Enable to receive 1080p / 29.97Hz video stream and output as 1080i / 59.94Hz video signal.
2	Support lower frame rate	Enable to decode lower frame rate. - 1920, 1440, 960 x 1080i: decode less than 14.985fps steam and output as 1920x1080i / 59.94Hz. - 720/352 x 480i: decode less than 14.985fps video stream and output as 720x480i / 59.94Hz.
3	Expand Concealment time	Enable to set Concealment time up to 6000 sec (100 minutes).

## IP-900D/IP-900IID/IP-920D V02L041 Enhancement List (Released Date: July 14<sup>th</sup>, 2015)

Modified Item

No.	Affected Region	Description
1	IP-900D/IP-900IID/IP-920D	Following bug has been fixed. In case of changing Configuration data in Load configuration without changing IPv4/v6 network settings under DHCP or PPPoE mode in IP address mode, there is some possibility of stopping video stream or RS-232C data.

## IP-900D/IP-900IID/IP-920D V02L040 Enhancement List (Released Date: April 30<sup>th</sup>, 2015)

New Features

No.	Item	Description
1	Video format conversion	1280x720p/29.97Hz to 1280x720p/59.94Hz or 1920x1080i/59.94Hz 1280x720p/25Hz to 1280x720p/50Hz or 1920x1080i/50Hz
2	Up-convert with 'Aspect ratio'	Squeezed stream can be automatically up converted with anamorphic and others can be up converted with Pillar box.
3	Google Chrome	Support Google Chrome for Web GUI
4	Quick menu for smart devices	Enables to change 'Configuration data' from smart devices
5	IGMPv3	Support Internet Group Management Protocol (IGMPv3 Include mode) for IPv4 multicast protocol.
6	300k/400k/500kbps video bitrate for D1	Support lower video bitrate at D1 for video distribution application
7	Closed GOP	Support Closed GOP encode (Open/Closed selectable)

## IP-900D/IP-900IID/IP-920D V02L030 Enhancement List (Released Date: October 28<sup>th</sup>, 2014)

New Features

No.	Item	Description
1	Up-convert with anamorphic	Only NTSC can be up-converted to 1080i/59.94Hz with anamorphic.

Modified Item

No.	Affected Region	Description
1	IP-900D/IP-900IID/IP-920D	Basic software has been modified that GNU Bash is not used for avoiding the vulnerability of GNU Bash (CVE-2014-6271, CVE-2014-7169 etc.).

## IP-900D/IP-900IID/IP-920D V02L020 Enhancement List (Released Date: March 28<sup>th</sup>, 2014)

### New Features

No.	Item	Description
1	Video output pause/replay	Added video output pause and replay function cooperated with Futureyell VOD server middleware. *
2	SMPTE2022	Rename 'Pro-MPEG FEC' to 'SMPTE2022 FEC'.

**\*) Futureyell VOD server middleware will support this function later.**

### Modified Item

No.	Affected Region	Description
1	IP-900D/IP-000IID/IP-920D	Modified extended MIB command 'ip0xxdSVoutFormat'.

## [Previous Enhancement List]

### IP-900D/IP-900IID/IP-920D V02L010 Enhancement List (Released Date: Nov, 28<sup>th</sup>, 2013)

New Features

No.	Item	Description
1	Enlarge the low rate mode of SIF and QSIF	The video rate at SIF (352x240 or 352x288) and QSIF (176x112 or 176x114) are configurable from 25kbps to 1Mbps. The video frame rate of SIF(352x240 or 352x288) and QSIF (176x112 or 176x114) are configurable from 0.999Hz to 14.985Hz



## [Previous Enhancement List]

### IP-900D/IP-900IID/IP-920D V02L002 Enhancement List

(Released Date: Nov, 29<sup>th</sup>, 2012)

New Features

No.	Item	Description
1	Ultra low latency	In case of selecting "Enable" in "Ultra low latency", the decoder's performance can be the best of approx.99ms over IP network. *Need the option license per unit for this function to be available.
2	Upconverter	Upconverter function from SD to HD is supported. *Support only for these resolutions below. SD: 720 x 480i, 352 x 240p, 176 x 112p HD: 1920 x 1080i
3	PID Settings	"PMT PID" can be specified.
4	Reference Clock	Reference clock input for Genlock is supported. (ONLY for IP-920D) *Need the option license and cable to be available.

### IP-900D/IP-900IID/IP-920D V01L053 Enhancement List

(Released Date: March, 16<sup>th</sup>, 2012)

Modified Item

No.	Item	Description
1	Match edition No. with encoder	Upgrade edition No. with upgrade software's edition in order to add encoder (IP-900/IP-920E) function.

### IP-900D/IP-900IID/IP-920D V01L052 Enhancement List

(Released Date: July, 26<sup>th</sup>, 2011)

Modified Item

No.	Item	Description
1	Match edition No. with encoder	Upgrade edition No. with upgrade software's edition in order to add encoder (IP-900E) function.

## IP-900D/IP-900IID/ IP-920D V01L050 Enhancement List (Released Date: March, 8<sup>th</sup>, 2011)

New Features

No.	Item	Description
1	Select Voice Output	Selectable voice decoding voice channel. *Set "Audio PID" on Decoder Settings (PID) mode.
2	ARQ support received from server (Futureyell)	"Enable" and "Disable" are supported at Input interface settings (From Server) when you receive streaming video from server (Futureyell).

## IP-900D/IP-900IID/IP-920D V01L040 Enhancement List (Released Date: Sep. 8<sup>th</sup>, 2010)

New Features

No.	Item	Description
1	"Internal replay" mode in operation settings at Reference Clock section	One of operating mode which synchronizes to internal clock in the equipment as Reference Clock is supported.
2	Universal Data Communication (RS232C port)	AT command from CANON operation panel connected to RS232C port is supported.

## IP-900D/IP-900IID/IP-920 V01L030 Enhancement List (Released Date: Jan. 15<sup>th</sup>, 2010)

Modified Item

No.	Item	Description
1	Improve WEB display of RTT	Improve the displayed value of WEB GUI in the case of RTT exceeding 2 sec.

## IP-900D/IP-900IID/IP-920D V01L020 Enhancement List (Released Date: Oct. 6<sup>th</sup>, 2009)

New Features

No.	Item	Description
1	Video encoding rate	Enlarge rates at each resolution as below. H.264 HP@L4, 1080i, 720p: 1Mbps to 27Mbps H.264 HP@L3, 480i, 576i: 500k to 10Mbps H.264 MP@L1.3 240p, 288p: 50k to 384kbps H.264 MP@L1.3 112p, 144p: 25k to 50kbps
2	Multiplexed encoding	MPEG2 TS and MPEG2 PS (IP-700Iij Received streams) are additionally supported.
3	Network function	Settings at SNMP v2c and SNMP are additionally supported. MLDv2 at IPv6 is supported.
4	Error Correction function	“Pro-MPEG FEC” is additionally supported.