

**Technical Bulletin: # TB-00155-00-080529****Product Affected: Intellex IP running software version 4.17****Description: An additional 14 Sony cameras are now supported on this 4.17 patch release****Date of Issuance: 06 June 2008**

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**Purpose**

This technical bulletin # TB-00155-00-080529 informs you of an additional 14 Sony IP cameras which are now supported on the patch release of Intellex IP software version 4.17.

For the entire list of devices compatible with Intellex IP refer to the Third Party IP Devices Supported by Intellex IP Application Note available on the American Dynamics website: [http://www.americandynamics.net/WebApps/getDocument.aspx?filename=8200-0878-01A0\\_IntlxIP\\_Spprt\\_3rd\\_Prty\\_RN\\_EN.pdf](http://www.americandynamics.net/WebApps/getDocument.aspx?filename=8200-0878-01A0_IntlxIP_Spprt_3rd_Prty_RN_EN.pdf)

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**Permanent Solution**

To update the Intellex software it is necessary to install the 4.17 software patch. You can download the software patch from the American Dynamics website: [http://americandynamics.net/support/downloads\\_20080606\\_Intellex\\_IP\\_v417\\_Patch.aspx](http://americandynamics.net/support/downloads_20080606_Intellex_IP_v417_Patch.aspx)

Follow the directions provided to download and install the software update.

**NOTE:** This patch should only be applied to an Intellex IP unit that is running Intellex software version 4.17.

**NOTE:** If the recovery disk is used to recover your machine in the future the patch will need to be re-applied.

**Cameras introduced****PTZ (Pan, Tilt, Zoom) Cameras**

- SNC-P5
- SNC-RZ50
- SNC-RX550
- SNC-RZ30

**Fixed Cameras**

- SNC-CS50
- SNC-DF50
- SNC-CS11
- SNC-DF80

**PTZ Camera Handler Functionality**

	Sony SNC Model	High Quality Live Video Stream	Left-/Right Panning	Up/Down Tilting	Diagonal Panning (basic/optimal/none)	Zoom In/Out	*Iris Control	*Focus Control	Alarm In	Alarm Out (Total # available = 1/2)	E-Flip	Patterns/Tours	Presets	Camera Setup via Intellex
1	SNC-P5 (PTZ)	√	√	√	√ (Optimal)	√	√	N/A	√	(1/1) √	√	N/A	√	√
2	SNC-RZ50P (PTZ)	√	√	√	√ (Optimal)	√	√	√	√	(1/2) √	√	N/A	√	√
3	SNC-RZ50N (PTZ)	√	√	√	√ (Optimal)	√	√	√	√	(1/2) √	√	N/A	√	√
4	SNC-RX550P (PTZ)	√	√	√	√ (Optimal)	√	√	√	√	(2) √	N/A	N/A	√	√
5	SNC-RX550N (PTZ)	√	√	√	√ (Optimal)	√	√	√	√	(2) √	√+	N/A	√	√
6	SNC-CS50P (fixed)	√	N/A	N/A	N/A	N/A	N/A	N/A	√	(2) √	N/A	N/A	N/A	√
7	SNC-CS50N (fixed)	√	N/A	N/A	N/A	N/A	N/A	N/A	√	(2) √	N/A	N/A	N/A	√
8	SNC-DF50P (fixed)	√	N/A	N/A	N/A	N/A	N/A	N/A	√	(2) √	N/A	N/A	N/A	√

9	SNC-DF50N (fixed)	√	N/A	N/A	N/A	N/A	N/A	N/A	√	(2) √	N/A	N/A	N/A	√
10	SNC-CS11 (fixed)	√	N/A	N/A	N/A	N/A	√	N/A	√	(2) √	√	N/A	N/A	√
11	SNC-DF80N (fixed)	√	N/A	N/A	N/A	N/A	N/A	N/A	√	(2) √	N/A	N/A	N/A	√
	<b>Sony SNC Model</b>	<b>High Quality Live Video Stream</b>	<b>Left-/Right Panning</b>	<b>Up/Down Tilting</b>	<b>Diagonal Panning (basic/optimal/none)</b>	<b>Zoom In/Out</b>	<b>*Iris Control</b>	<b>*Focus Control</b>	<b>Alarm In</b>	<b>Alarm Out</b> (Total # available = 1/2)	<b>E-Flip</b>	<b>Patterns/Tours</b>	<b>Presets</b>	<b>Camera Setup via Intellex</b>
12	SNC-DF80P (fixed)	√	N/A	N/A	N/A	N/A	N/A	N/A	√	(2) √	N/A	N/A	N/A	√
13	SNC-RZ30N	√	√	√	√	√	√	√	√	(2) √	√	N/A	√	√
14	SNC-RZ30P	√	√	√	√	√	√	√	√	(2) √	√	N/A	√	√

\* Please note that Focus and Iris control, be it *manual*, *auto* or *any other specific level/type of control*, depends on individual camera models and what they support. (It usually means the camera has auto-control of that feature using its own internal optical –geometric and other related algorithms.)

√+ The camera (RX-550N) does implement this functionality (which is accessible using the SDK), but the CGI and User Manuals do not state this.

N/A Not available on/supported by camera.

TBI To be implemented.

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## All Camera Limitations

- For iris open and close there is a conflict between manual iris usage and auto focus functionality. If manual iris functionality is invoked then this will remain active until auto focus is invoked. The result of this is when the camera is in manual iris mode, the video display will not be clear if you pan from bright to dark areas, and if you use presets the video display will display the preset with the iris settings prior to the preset being invoked. The recommended work around is to select auto focus after manual iris usage.
- When upgrading from a previously released version of Intellex, any Sony cameras already configured should be checked to ensure they still have the correct handler.
- There are performance issues on Intellex IP 750. When you have approx 90 IPS on the system the CPU usage jumps to 100%.  
The recommended work around is to go no higher than 90 IPS.
- For cameras with PTZ functionality only features supported by the camera will be displayed when the dome icon is invoked. On the Network Client all features will be displayed, but only those supported by the camera will work. (Refer to the above table for supported functionality.)
- Patterns are not supported on any camera for this release.
- On the Intellex IP R200 I6 cameras were tested at 240 IPS (4 CIF); CPU usage was just over 80%.
- If a Sony camera's assignment slot is changed and the Intellex unit is restarted immediately, the Sony image will not always redisplay on screen.  
The recommended work around is to edit the camera in IP Sources from the Setup Options screen and select OK.

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## Specific Camera Issues

### PTZ Cameras

#### P5

- The PTZ controls are slow, in particular iris open/close and e-flip.
- The camera writes 5 FPS when the camera rate is set to 1 FPS. This is a known limitation of the Sony camera.

#### RX550

- RX 550N supports e-flip, while RX 550P does not. This is a known limitation of the Sony camera.

#### RZ30N

- RZ 30P does not return the required IPS at 30 IPS and 4CIF (736x480 / 736x544). This is a known limitation of the Sony camera.

### Fixed Camera

#### CS11

- The camera captures a minimum of 5 IPS; if the rate is set to 1 IPS five images will be returned but only one will be recorded (i.e. written to the database).
- The camera cannot return the correct number of IPS when the resolution is set above 1 CIF and the IPS rate is set above 10. This is a known limitation of the Sony camera.

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### Also contained in this patch

This 4.17 software patch will contain fixes from previous releases. There is no need to install the previous patch before installing this new software patch.

### For more information on the previous patches refer to the following:

#TB-00152-00-080514 - Intellex IP, Ultra, LT & DVMS v4.17 Software Patch:  
[http://americandynamics.net/support/downloads\\_20080520\\_Intellex\\_v417\\_Patch.aspx](http://americandynamics.net/support/downloads_20080520_Intellex_v417_Patch.aspx)

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## Continuous Improvement Statement

As with all processes defined by the American Dynamics Technical Services Group, this document is intended to be a work in progress. Further refinements and suggestions are welcome and should be sent in writing to the e-mail address listed below.

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