



CatchCAM 2MP 6.1

Release Notes

CatchSystems

10-2024

Highlights

CatchSystems is excited to announce version 6.0 of CatchCAM 2MP firmware. These are the main highlights:

- Certified ONVIF profile M conformance
- Improvements in image quality
- Improved license plate detection
- Support for External trigger module for adding Infrared lighting (new product)
- Support for reporting passages via the AFV CDI protocol

The remainder of this document will explain these highlights in more detail. Please feel free to contact us if you have any questions.

ONVIF profile M compliance

- CAPP-655 Starting with version 6.0, the CC2MP camera is now in certified compliance with
CAPP-656 ONVIF profile M. ONVIF discovery is fully supported as well as reporting LPR events
CAPP-451 through ONVIF. The support for LPR events is implemented in the Digivod VMS
system, we expect more VMS suppliers to follow suit.
- CAPP-704 For compatibility with some video management systems, a laxer implementation of
the ONVIF protocol handling can be enabled on the website.

The screenshot shows a web interface for camera settings. On the left is a sidebar menu with the following items: 'Pre-installation' (with a left arrow), 'Installation' (with a down arrow), 'Image', 'Video' (highlighted with a black background and white text), 'Firmware', 'Reboot camera', and 'Advanced' (with a left arrow). The main content area on the right displays the 'Video' settings. It includes four configuration items: 'RTSP framerate' set to '12 fps' with a dropdown arrow; 'RTSP keyframe interval' set to '12' with a 'frames' button and a help icon; 'RTSP bitrate' set to '4000 kbps' with a dropdown arrow; and 'Strict ONVIF Profile M' with an unchecked checkbox and a help icon.

Image quality improvements

- CAPP-736 The automatic camera adjustment algorithm has been improved. This results in a
CAPP-749 more fine-grained control of the overall image intensity and is especially noticeable
during dusk or dawn.

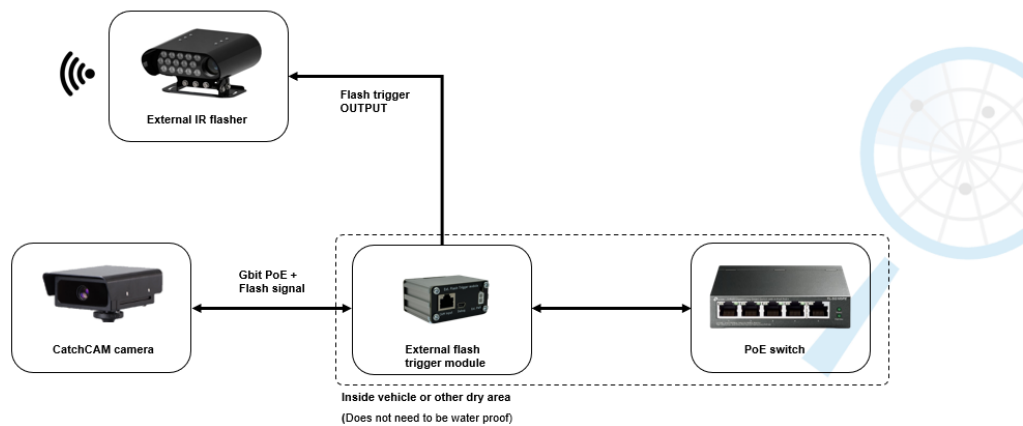
License plate detection

- CAPP-657 Plate recognition has been improved. This reduces the misdetection of texts and
signs as license plates.

External trigger module

CAPP-760

The CatchCAM 2MP camera can now be operated in conjunction with external third-party LED flashers. This allows the energy efficient implementation of IR floodlighting and can be used to enhance the overview image of passages, possibly enabling make- and model recognition at night.



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This feature requires an external trigger module (sold separately).

Support for AFV CDI

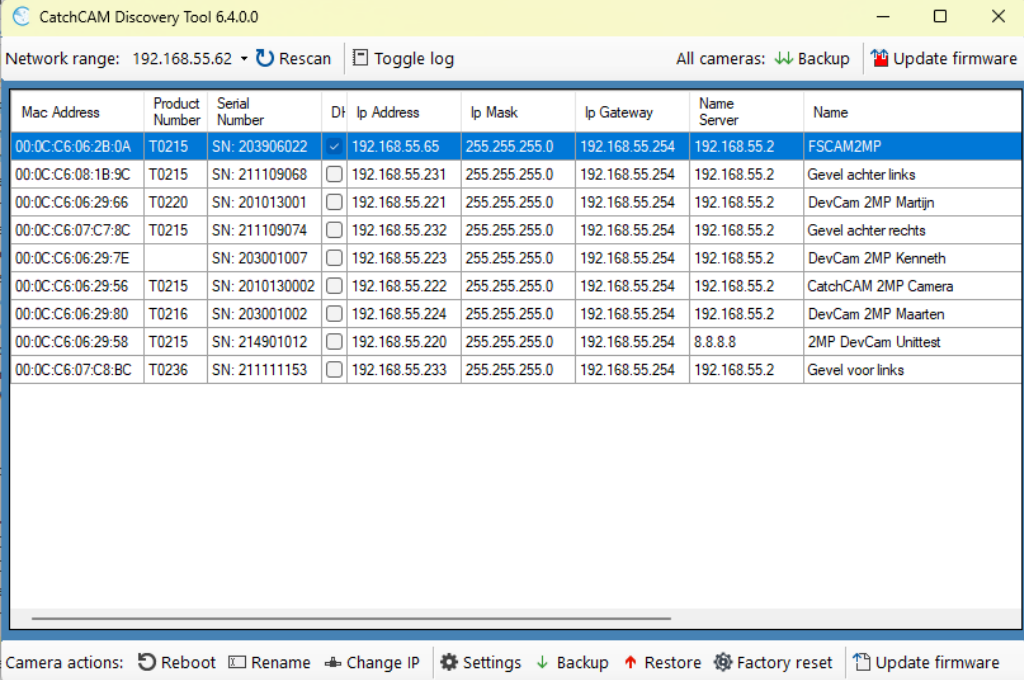
CAPP-660
CAPP-756
CAPP-768
CAPP-747
CAPP-662

The CC2MP camera can now be directly integrated in an AFV system ("Automatische Fahrzeugfahndung und Verkehrsüberwachung"), as used in Switzerland. It can connect to a CDI ("Camera Data Integrator") using a JSON/HTTP(S) interface. Plate recognition will be performed on the camera, negating the requirement of a central ANPR server in a datacenter.

	CatchKen	UTMC	AFV CDI
Pre-installation ▾			
General			
Network			
Time			
Connection			
ANPR			
Installation <			
Advanced <			
	Enable	<input checked="" type="checkbox"/>	
	Remote url	<input type="text" value="http://192.168.55.62:5000"/>	?
	Camera number	<input type="text" value="1"/>	?
	Information header	<input type="checkbox"/>	?
	SSL certificate validation	<input type="checkbox"/>	?

Other improvements

- CAPP-589 The configuration of UTMC lanes has been improved.
- CAPP-625 Warnings and errors on the website are removed once the issue has been resolved.
- CAPP-764 Previously, these errors needed to be dismissed manually.
- TL-36 The product number is now visible in the CatchCam Discovery tool. This makes it easier to identify individual cameras.



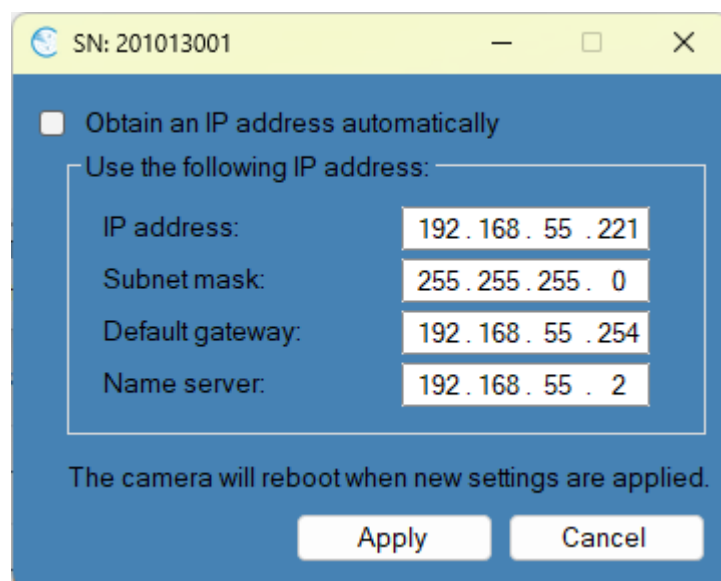
The screenshot shows the 'CatchCAM Discovery Tool 6.4.0.0' window. At the top, there's a 'Network range' dropdown set to '192.168.55.62', a 'Rescan' button, and a 'Toggle log' checkbox. On the right, there are buttons for 'All cameras: Backup' and 'Update firmware'. Below this is a table with the following columns: Mac Address, Product Number, Serial Number, Di (checkbox), Ip Address, Ip Mask, Ip Gateway, Name Server, and Name. The table contains 10 rows of camera data. The first row is highlighted in blue. At the bottom of the window, there's a 'Camera actions' bar with buttons for Reboot, Rename, Change IP, Settings, Backup, Restore, Factory reset, and Update firmware.

Mac Address	Product Number	Serial Number	Di	Ip Address	Ip Mask	Ip Gateway	Name Server	Name
00:0C:C6:06:2B:0A	T0215	SN: 203906022	<input checked="" type="checkbox"/>	192.168.55.65	255.255.255.0	192.168.55.254	192.168.55.2	FSCAM2MP
00:0C:C6:08:1B:9C	T0215	SN: 211109068	<input type="checkbox"/>	192.168.55.231	255.255.255.0	192.168.55.254	192.168.55.2	Gevel achter links
00:0C:C6:06:29:66	T0220	SN: 201013001	<input type="checkbox"/>	192.168.55.221	255.255.255.0	192.168.55.254	192.168.55.2	DevCam 2MP Martijn
00:0C:C6:07:C7:8C	T0215	SN: 211109074	<input type="checkbox"/>	192.168.55.232	255.255.255.0	192.168.55.254	192.168.55.2	Gevel achter rechts
00:0C:C6:06:29:7E		SN: 203001007	<input type="checkbox"/>	192.168.55.223	255.255.255.0	192.168.55.254	192.168.55.2	DevCam 2MP Kenneth
00:0C:C6:06:29:56	T0215	SN: 2010130002	<input type="checkbox"/>	192.168.55.222	255.255.255.0	192.168.55.254	192.168.55.2	CatchCAM 2MP Camera
00:0C:C6:06:29:80	T0216	SN: 203001002	<input type="checkbox"/>	192.168.55.224	255.255.255.0	192.168.55.254	192.168.55.2	DevCam 2MP Maarten
00:0C:C6:06:29:58	T0215	SN: 214901012	<input type="checkbox"/>	192.168.55.220	255.255.255.0	192.168.55.254	8.8.8.8	2MP DevCam Unittest
00:0C:C6:07:C8:BC	T0236	SN: 211111153	<input type="checkbox"/>	192.168.55.233	255.255.255.0	192.168.55.254	192.168.55.2	Gevel voor links

This feature requires version 6.4.0 of the discovery tool.

TL-90

The DNS name server can now be configured from the CatcCAM Discovery tool. Previously, this setting could only be modified on the website.



SN: 201013001

☐ Obtain an IP address automatically

Use the following IP address:

IP address:	192 . 168 . 55 . 221
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 55 . 254
Name server:	192 . 168 . 55 . 2

The camera will reboot when new settings are applied.

Apply Cancel

This feature requires version 6.4.0 of the discovery tool.

Changes in 6.1

Improvements

CAPP-776	The external trigger module can now be operated while the internal IR flasher of the camera is turned off. This can be beneficial in situations where the internal flasher causes unwanted reflections.
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