

MOBOTIX Product Announcement

New Products For May 2013:

5MP Sensor
S15 FlexMount
D15 DualDome
V15 Dual
MxActivitySensor



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1. New 5 Megapixel Sensor (5MP)

More Details When Zooming

The new 5MP technology offers improved maximum zoom versus 3.1 megapixel sensors. Image detail is improved by 27 percent. A camera with the 5 megapixel sensor not only produces better images, it can also be positioned even further away from the monitored buildings and areas. As a result, the cameras can be installed in places that are optimally protected from unauthorized access.

Black And White Resolution Now Up To 3.1 Megapixel

The new cameras D15, S15, M15 are the world's first MOBOTIX cameras that also feature a 5 megapixel night sensor, which produces black and white images of up to 3.1 megapixel. This sensor produces significantly larger images than the current 1.3 megapixel sensor, with the added advantage of improved detail enlargement thanks to the digital zoom feature.

2. D15 DualDome With 5MP Sensor

One Camera, Two Lenses.

The latest 5 megapixel image sensor technology ensures brilliant 2 x 3MEGA dual images. Thanks to its enhanced light sensitivity, the camera produces significantly clearer color images also in low light conditions. At night, one single new 5MP black and white sensor can produce live or recorded HiRes images of up to 3.1 megapixel (compared to D14D with 1.3 megapixel).



Smooth HiRes Video Streams

The optimized hardware of the D15 ensures that especially at high resolution, the video streams are transmitted even more smoothly than the already high-performance D14. Since image streams of 16 frames per second and higher are perceived as fluid video by the human eye, the maximum frame rate is limited to 30 fps (when using a MEGA resolution of 1280x960) in order to provide sufficient processor performance for other tasks.

High-Quality Color Images Even in Low Light Conditions

The more light sensitivity at the image sensor, the higher the image quality, even in low light conditions,, such as at dusk or during heavy rain. Thanks to a 5 megapixel color sensor that is four times more light-sensitive than the existing 3.1 megapixel color sensor, the D15 delivers the highest image quality currently offered by MOBOTIX.

Key Features

- Latest 5 megapixel image sensor technology ensures brilliant 2 x 3MEGA dual images
- up to 30fps at MEGA resolution of 1280x960
- black and white sensor can produce live or recorded HiRes images of up to 3.1 megapixel

3. S15 FlexMount and V15 With 5MP Sensor modules

Discreet. Flexible. Weatherproof.

With the S15D FlexMount, two 5MP sensor modules featuring microphones are connected to a concealed camera housing via cables of up to two meters long for each module (total 4 m). Two adjacent rooms can be discreetly monitored with just one camera.

For technical reasons, the live or recorded images displayed by a S15 sensor have a maximum size of 3.1 megapixels. However, the S15 is clearly superior to the previous model in terms of image quality and frame rate. S15 uses no more power than its predecessor (typically 4.5 watts), despite the new sensor technology. Reducing the PoE class via the camera software also enables the use of PoE switches that cannot be operated on all ports with PoE class 3 (up to 12.95 V).



Key Features

- Weatherproof dual camera system (IP65) for flexible mounting solutions
- Two separately connected, discreet miniature sensor modules
- Image sensor and microphone integrated directly into the sensor module
- Integrated DVR functionality: Slot for MicroSD card (up to 64 GB)
- Functional expansion via MiniUSB and MxBus connector
- **S15M & S15 Hemispheric: Available July 2013**
- **S14 sensor modules cannot be used with S15 models (and vice versa)**

4. S15D and V15 Sensor Modules With 5MP







You can choose from six different **S15D** sensor modules with different **horizontal image angles** (day or night sensor):

- **L12** Hemispheric, **180°** (S14: L11, 180°)
- **L25** Super Wide-Angle, **82°** (S14: L22, 90°)
- **L38** Wide-Angle, **54°** (S14: L32, 60°)
- **L51** Wide-Angle, **39°** (S14: L43, 45°)
- **L76** Telephoto, **27°** (S14: L65, 31°)
- **L160** Telephoto, **13°** (S14: L135, 15°)

The **L25 Super Wide Angle lens** has very little distortion and delivers excellent image quality, even when using the maximum digital zoom. If a camera with this lens has been mounted in the corner of a room, the complete room is visible on the image.

When using the non-hemispheric sensor modules **L25** to **L160**, you can replace the lens cover with a **polarization** or a **long-pass** filter.

The **S15M** will only be available with the hemispheric L12 sensor.

Lenses 5MP Sensors	L12	L25	L38	L51	L76	L160
Original image						
35 mm equivalent	12 mm	25 mm	38 mm	51 mm	76 mm	160 mm
Nominal focal length	1,8 mm	4 mm	6 mm	8 mm	12 mm	25 mm
Aperture	2,0	2,0	2,0	2,0	2,0	2,5
Horizontal image angle	180°	82°	55°	40°	27°	13°
Vertical image angle	160°	61°	41°	30°	20°	10°
Distance 1 m						
Image width	infinite	1,7	1,0	0,7	0,5	0,2
Image height	11	1,2	0,7	0,5	0,4	0,2
Distance 5 m						
Image width	infinite	8,7	5,2	3,6	2,4	1,1
Image height	55	5,9	3,7	2,7	1,8	0,9
Distance 10 m						
Image width	infinite	17,4	10,3	7,2	4,9	2,3
Image height	110	11,9	7,5	5,4	3,6	1,7
Distance 20 m						
Image width	infinite	34,7	20,6	14,5	9,7	4,6
Image height	220	23,7	14,9	10,8	7,2	3,4
Distance 50 m						
Image width	k. A.	86,8	51,5	36,2	24,3	11,4
Image height	k. A.	59,3	37,3	27,0	18,0	8,6

5. MxActivitySensor

New Motion Detection Sensor

The MxActivitySensor is an activity-controlled, software-based image analysis function for detecting movement of people and objects in a monitored area (full image or section). Unlike existing video motion sensors, which detect all events in the defined motion windows, the MxActivitySensor is very easy to configure and delivers reliable results, even in applications with large amounts of external interference. For example, the camera now distinguishes between movements of vehicles, people or objects that trigger an alarm and movements that are not relevant for alarms, such as shadows, changes in illumination, trees swaying in the wind or rain directly at the lens.

What Is Detected?

The sensor detects objects or people that cross the defined monitored area or move toward or away from the camera. The MxActivitySensor will be available free of charge via a simple firmware update for all current MOBOTIX cameras (activation in Web browser) in May.



MxActivitySensor responds to significant movements of objects and people and indicates the direction of movement.

6. Summary

At a Glance – Key Features of the S15, D15 and V15 models:

High lights	Advantages
4x better light sensitivity (2x with B/W-Sensoren)	Greatly enhanced image quality!
Higher frame rates	Up to 30 fps@MEGA!
Black and white resolution up to 3.1 megapixel (+148 %)	Significantly larger B/W images!
Improved zoom capability in live images, more details	Color: +27 %; B/W: +200 %!



Better zoom in live image

Product Trainings

MxCampus trainings for S15/D15/V15 models will be available as of May 7, 2013.

The Game Changing MxActivitySensor:

High lights	Advantages
Software-based image analysis function comparing relevant to non-relevant movements	greatly reducing false alarms to a minimum and Impressive reduction of configuration time
Upgradable via firmware update for 14 and 24 series	future proof investment!



Product Trainings

MxCampus training for ActivitySensor will be available as of May 13, 2013.

7. FAQ – Important Information:

- S15M and S15D Hemispheric (L12) models will be available in July 2013
- S14M and S14D Hemispheric models will still be available
- The new 5 Megapixel sensor are only compatible with the newly introduced models
- S14 sensor modules cannot be used with S15 models (and vice versa)

Conclusive Still Images: Thanks to the proprietary MxPEG video codec developed exclusively for MOBOTIX cameras, the cameras offer the advantage that a recording can be paused at any given point and still provide meaningful and useful snapshots due to the absence of distortion. This is essential for security applications and allows individuals or license plates to be identified, for example. In contrast, the H.264 standard, which was developed for feature movies and is favored by some video security providers, cannot achieve this with the required or desired level of quality. Possibility to zoom in the recorded image.

8. Delivery Schedule

Delivery of S15D FlexMount, D15 and V15 models starts from 6 of May 2013.

9. Product Documentation (Web)

S15/D15 product information (online as of May 6, 2013):

www.mobotix.com > Products > S15/D15/V15

S15/D15/V15 User Manual (online as of May 6, 2013):

www.mobotix.com > Support > Manuals

10. S15 FlexMount: MSRP And Overview Of Products/Order Numbers

Product Name	Order Number	EAN	Description	MSRP EURO	Available EMEA, Asia
S15M FlexMount Day	MX-S15M-Sec-D12	4047438017701	mono camera with body-integrated hemispheric lens and sensor (color)	798	July 2013
S15M FlexMount Night	MX-S15M-Sec-Night-N12	4047438017718	mono camera with body-integrated hemispheric lens and sensor (black&white)	798	July 2013
S15D FlexMount Core	MX-S15D-Sec	4047438017725	dual camera body, for 2 flexible sensor modules up to 2 m sensor cables	648	May 6, 2013
Product Name	Order Number	EAN	Description	MSRP EURO	Available EMEA, Asia
S15D FlexMount Sensor Modules	MX-SM-D12-PW	4047438017732	white colored sensor module for S15D	298	July 2013
	MX-SM-D25-PW	4047438017749	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-D38-PW	4047438017756	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-D51-PW	4047438017763	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-D76-PW	4047438017770	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-D160-PW	4047438017787	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-N12-PW	4047438017794	white colored sensor module for S15D	298	July 2013
	MX-SM-N25-PW	4047438017800	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-N38-PW	4047438017817	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-N51-PW	4047438017824	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-N76-PW	4047438017831	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-N160-PW	4047438017848	white colored sensor module for S15D	248	May 6, 2013
	MX-SM-D12-BL	4047438017855	black colored sensor module for S15D	298	July 2013
	MX-SM-D25-BL	4047438017862	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-D38-BL	4047438017879	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-D51-BL	4047438017886	black colored sensor module for S15D	248	May 6, 2013

Product Name	Order Number	EAN	Description	MSRP EURO	Available EMEA, Asia
	MX-SM-D76-BL	4047438017893	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-D160-BL	4047438017909	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-N12-BL	4047438017916	black colored sensor module for S15D	298	July 2013
	MX-SM-N25-BL	4047438017923	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-N38-BL	4047438017930	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-N51-BL	4047438017947	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-N76-BL	4047438017954	black colored sensor module for S15D	248	May 6, 2013
	MX-SM-N160-BL	4047438017961	black colored sensor module for S15D	248	May 6, 2013

11. D15 DualDome: MSRP And Overview Of Products/Order Numbers

Product Name	Order Number	EAN	Description	MSRP EURO	Available EMEA, Asia
D15 Cameras	MX-D15Di-IT	4047438018494	D15Di-IT Body	698 €	May 6, 2013
	MX-D15Di-SEC	4047438017978	D15Di-SEC Body	948 €	May 6, 2013
	MX-D15Di-SEC-Pano	4047438017985	D15 Panoramic Day	1.248 €	May 6, 2013
	MX-D15Di-SEC-Night-Pano	4047438017992	D15 Panoramic Night	1.248 €	May 6, 2013
	MX-D15Di-SEC-DNight-D25N25-FIX	4047438018005	D15D-SEC Day Night FIX	1.248 €	May 6, 2013
	MX-D15Di-SEC-DNight-D38N38-FIX	4047438018012	D15D-SEC Day Night FIX	1.248 €	May 6, 2013
	MX-D15Di-SEC-DNight-D51N51-FIX	4047438018029	D15D-SEC Day Night FIX	1.248 €	May 6, 2013
	MX-D15Di-SEC-DNight-D76N76-FIX	4047438018036	D15D-SEC Day Night FIX	1.248 €	May 6, 2013
	MX-D15Di-SEC-DNight-D160N160-FIX	4047438018043	D15D-SEC Day Night FIX	1.248 €	May 6, 2013

Product Name	Order Number	EAN	Description	MSRP EURO	Available EMEA, Asia
D15 Lenses & Accessories	MX-D15-Module-D25	4047438018050	D15 Day Sensor D25	150 €	May 6, 2013
	MX-D15-Module-D38	4047438018067	D15 Day Sensor D38	150 €	May 6, 2013
	MX-D15-Module-D51	4047438018074	D15 Day Sensor D51	150 €	May 6, 2013
	MX-D15-Module-D76	4047438018081	D15 Day Sensor D76	150 €	May 6, 2013
	MX-D15-Module-D160	4047438018098	D15 Day Sensor D160	150 €	May 6, 2013
	MX-D15-Module-N25	4047438018104	D15 Night Sensor N25	150 €	May 6, 2013
	MX-D15-Module-N38	4047438018111	D15 Night Sensor N38	150 €	May 6, 2013
	MX-D15-Module-N51	4047438018128	D15 Night Sensor N51	150 €	May 6, 2013
	MX-D15-Module-N76	4047438018135	D15 Night Sensor N76	150 €	May 6, 2013
	MX-D15-Module-N160	4047438018142	D15 Night Sensor N160	150 €	May 6, 2013
	MX-WH-Dome	4047438002233	D15 Wall Mount	148 €	May 6, 2013
	MX-MH-Dome-ESWS	4047438002240	D15 Pole- and Corner Mount	98 €	May 6, 2013
	MX-D15-OPT-WHMH-Set	4047438018159	D15 Wall- and Pole Mount-Set	198 €	May 6, 2013
	MX-D15-Vandal-ESPO	4047438018166	D15-Vandalism-Kit (Stainless Steel polished)	148 €	May 6, 2013
	MX-D15-Vandal-ESMA	4047438018173	D15-Vandalism-Kit (Stainless Steel matt)	148 €	May 6, 2013
	MX-D15-Vandal-PUGR	4047438018180	D15-Vandalism-Kit (Powder Coated Grey)	148 €	May 6, 2013
	MX-D15-Vandal-PUWH	4047438018197	D15-Vandalism-Kit (Powder Coated White)	148 €	May 6, 2013
	MX-D15-Vandal-PUBL	4047438018203	D15-Vandalism-Kit (Powder Coated Black)	148 €	May 6, 2013
	MX-D15-OPT-DCS	4047438018210	Dome D15 tinted (semi-transparent)	28 €	May 6, 2013
	MX-D15-OPT-DCT	4047438018227	Dome D15 transparent	28 €	May 6, 2013

12. V15 D and M: MSRP And Overview Of Products/Order Numbers

Product Name	Part Number	EAN	Description	MSRP EURO	Available EMEA, Asia
V15M	MX-V15M-Sec-D25	4047438018296	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-D38	4047438018500	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-D51	4047438018319	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-D76	4047438018517	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-D160	4047438018524	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-Night-N25	4047438018302	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-Night-N38	4047438018531	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-Night-N51	4047438018326	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-Night-N76	4047438018548	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	MX-V15M-Sec-Night-N160	4047438018555	Dual Vandalismus-Eckkamera without LED	2.498,00	May 6, 2013
	Product Name	Part Number	EAN	Description	MSRP EURO
V15D	MX-V15D-Sec-D25D25	4047438018333	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-D38D38	4047438018562	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-D51D51	4047438018357	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-D76D76	4047438018579	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-D160D160	4047438018586	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N25N25	4047438018401	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N38N38	4047438018593	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N51N51	4047438018425	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N76N76	4047438018609	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N160N160	4047438018609	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-DNight-D25N25	4047438018364	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013

Product Name	Part Number	EAN	Description	MSRP EURO	Available EMEA, Asia
V15D	MX-V15D-Sec-DNight-D38N38	4047438018623	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-DNight-D51N51	4047438018395	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-DNight-D76N76	4047438018630	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-DNight-D160N160	4047438018647	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N25N38	4047438018654	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N25N51	4047438018418	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N25N76	4047438018661	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N25N160	4047438018678	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N38N25	4047438018685	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N38N51	4047438018692	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N38N76	4047438018708	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N38N160	4047438018715	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N51N25	4047438018722	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N51N38	4047438018739	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N51N76	4047438018746	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N51N160	4047438018753	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N76N25	4047438018760	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N76N38	4047438018777	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N76N51	4047438018784	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N76N160	4047438018791	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N160N25	4047438018807	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N160N38	4047438018814	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013



Product Name	Part Number	EAN	Description	MSRP EURO	Available EMEA, Asia
V15D	MX-V15D-Sec-Night-N160N51	4047438018821	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013
	MX-V15D-Sec-Night-N160N76	4047438018838	Dual Vandalismus-Eckkamera without LED	2.598,00	May 6, 2013