

EN 04/13

Available In May: D15/S15

D15D DualDome – With 5 MP Sensors

5MP



**One Camera, Two Lenses.
Seeing more is possible.**

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 5 MP black and white sensor can produce live or recorded HiRes images of up to 3.1 megapixels (compared to D14D with 1.3 megapixels).

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 the 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 sensitive 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.

S15 FlexMount – With 5MP Sensors

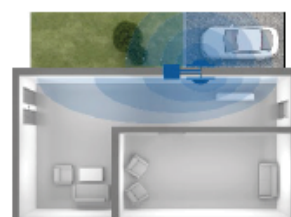
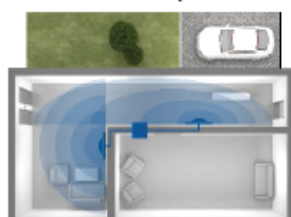
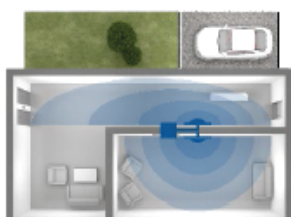
5MP



Discreet. Flexible. Hemispheric.

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

- 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
- Double Hemispheric equipment replaces up to eight cameras
- Integrated DVR functionality: Slot for MicroSD card (up to 64 GB)
- Functional expansion via MiniUSB and MxBus connector



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

- 4x better light sensitivity (2x with B/W sensors)
---> greatly enhanced image quality!
- Higher frame rates
---> up to 30 fps@MEGA
- Black and White resolution now up to 3.1 Megapixels
---> produces significantly larger B/W images!
- Improved zoom capability in live images
---> +27% more details!

5 Megapixels Sensor (5MP)

5 MP

More Details When Zooming






The new 5 MP technology offers greater maximum zoom than 3.1 MP sensors. Image detail is improved by 27 percent. A camera with a 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 Megapixels

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 up to 3.1 megapixels. 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.

S15 and D15 lens table:

Lenses 5MP Sensors	L12	L25	L38	L51	L76	L160
Original image						
35 mm equivalent	11 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

S15 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 good 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.

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 or trees swaying in the wind.

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 current MOBOTIX cameras excluding the M12 (activation in Web browser).



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

The game changing MxActivitySensor:

Software-based image analysis function comparing relevant to non-relevant movements

- > greatly reducing false alarms to a minimum!
- > Impressive reduction of configuration time!

Upgradable via firmware update for 14 and 24 series

- > future proof investment!

FAQs – Important Information:

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