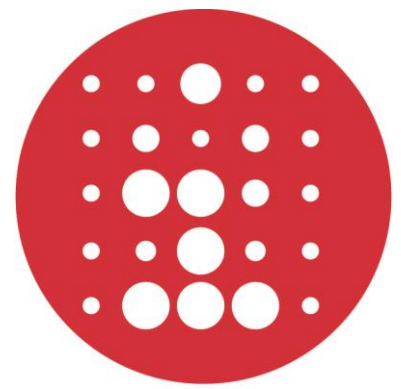


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Irisys People Counters

Technical Bulletin



Irisys

11th September 2015

Issue: **13**



3000 Series Indoor Units Now Fully Replaced by Gazelle

For those looking to order a Gazelle unit for the first time I thought it would be a good idea to recap the Gazelle unit part numbers. This is following the announcement that indoor 3000 series units are discontinued. (Note that the outdoor units in the 3000 series are still available)

The table below shows the indoor 3000 series part number on the left, with the direct replacement indoor Gazelle unit to the right, with any other unit options (if any exist) listed underneath:

3000 Series Product	Relay Outputs?	Relay Inputs?	IP Enabled?	DualView Capable?	Lens Variant		Equivalent Gazelle Product	Relay Outputs?	Relay Inputs?	IP Enabled?	DualView Capable?
IRC3030	-	-	Y	Y	60°	=	IRC5716-MW	Y	Y	Y	Y
IRC3010	-	-	Y	-	60°	=	IRC5706-MW	Y	Y	Y	-
						Or	IRC5716-MW	Y	Y	Y	Y
IRC3020	Y	-	-	-	60°	=	IRC5206-MW	Y	Y	-	-
						Or	IRC5706-MW	Y	Y	Y	-
						Or	IRC5716-MW	Y	Y	Y	Y
IRC3000	-	-	-	-	60°	=	IRC5106-NW	-	-	-	-
IRC3031	-	-	Y	Y	40°	=	IRC5714-MW	Y	Y	Y	Y
IRC3011	-	-	Y	-	40°	=	IRC5704-MW	Y	Y	Y	-
						Or	IRC5714-MW	Y	Y	Y	Y
IRC3021	Y	-	-	-	40°	=	IRC5204-MW	Y	Y	-	-
						Or	IRC5704-MW	Y	Y	Y	-
						Or	IRC5714-NW	Y	Y	Y	Y
IRC3001	-	-	-	-	40°	=	IRC5104-NW	-	-	-	-



Validation Tool Software Now Completely Free!

Now is a great time to start using the DualView capable counters as Irisys announces that Validation Tool software is now available free of charge!

Previously a 60 day free trial was available, but now the 1 year license is also free. Just add part number ISC8300 to your next purchase order - as a zero cost line item - and you'll receive your license key via email shortly after your order acknowledgement email.

Download Validation Tool from the Irisys partner portal; <http://partnerportal.irisys.co.uk/> (click the sign up button if you've not used it before), install it and enter your license key to license it.

For those that have never used Validation Tool before; it allows you to schedule validation recordings on DualView counters which then take place autonomously on the device at the scheduled time. Once recorded, you can then download the recording, and once available locally, the same software provides all the tools and functionality you need to playback the recording (with speed controls) and validate the accuracy of the counter. It shows both the thermal and video components alongside each other which allows you to manually count the scene via video and compare it to the thermal. An accuracy report is then produced at the end.

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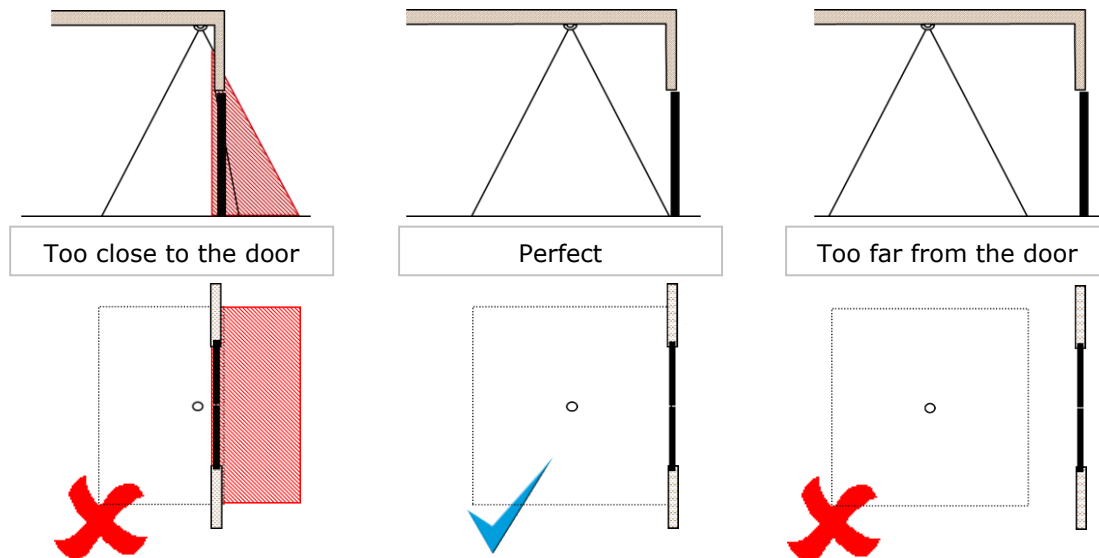
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Installation Tips

To ensure your validation results are good and the counter is accurate, it's important that the counter is installed the right distance back from the door to start with. If the counter is too close to the door, the amount of 'usable' field of view is reduced, and this affects target initialisation time, and limits line position options:



So how do we know the perfect distance from the door for mounting? It is simply half the field of view. There are two formulas that you can use, one is effectively the maximum distance from the door (D^{\max}) where the door itself is just outside the field of view (of course, a swinging door could still swing into the field of view) and one which is effectively the minimum distance (D^{\min}) where the door is just inside the field of view:

For 60 degree lenses: $D^{\max} = \frac{(0.98 \times H) - 0.18}{2}$ $D^{\min} = 80\% \text{ of } D^{\max}$	For 40 degree lenses: $D^{\max} = \frac{(0.62 \times H) - 0.16}{2}$ $D^{\min} = 80\% \text{ of } D^{\max}$
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So, a 60 degree unit installed 3.50m high, should be mounted between 1.30m and 1.62m from the door using the two formulas. But because it's much easier to use, we recommend simply using the maximum distance formula (D^{\max}), and then mounting a little closer than that; about 20-30cm should mean you're nicely in between the min and max values. Remember though that in all cases counters should never be mounted closer than 1m to the door regardless of the formula results!

The mounting height graph document also shows this information.

From customer feedback we know that to those who are used to installing video counters, these requirements seem unnecessary or are over complicated, but the Irisys units are arguably more accurate *because* of these installation requirements.



RMA Process

One slight issue to report is that for any units returned for repair there is currently a longer turnaround time due to the factory being re-located. We are currently accepting RMA returns at the main head office address until it's fully up and running. Please add 2 - 4 weeks to the usual turnaround time for the next few months. Fortunately, Irisys devices are class leadingly reliable so this shouldn't affect too many customers.

Deliveries aren't affected as we have plenty of stock to accommodate orders during this period.

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