

World's First F1.0 Autofocus Lens for Mirrorless Cameras

As the world's first autofocus F1.0 lens made for any mirrorless system, including full-frame, XF50mm F1.0 brings more light to the sensor than any previous XF lens, making it possible for the autofocus to operate at -7EV luminance level. The previous limit of -6EV luminance level was achieved using lenses with a maximum aperture of F1.4, X Series users now have fast and precise low-light autofocus, even in near-darkness. With the added benefits of on-sensor Phase Detection Autofocus (PDAF), Face/ Eye AF and a powerful DC motor, precise and fast autofocus at shallow depths of field is now a possibility.

Incredibly Shallow Depth-of-Field

The XF50mm F1.0 R WR consists of 12 lens elements in nine groups and also contains one aspherical element and two ED elements to achieve optimum control of spherical aberration. Used at or near to its maximum F1.0 aperture, XF50mmF1.0 R WR can produce an astonishingly narrow depth-of-field. Its precision-engineered, rounded diaphragm produces large, smooth bokeh for a professional look, allowing photographers to create portraits with a striking simplicity and an almost three-dimensional quality with wonderful edge-to-edge sharpness. Photographers can use this new power in selective focus to keep only the subject's eyes in focus and make captivating close-up character studies. But it's not just for portraits. Take this lens out onto the street or into a lifestyle session and one can turn cluttered locations into clean backdrops with unrivaled subject separation.

Great in low-light

The very wide maximum aperture on XF50mmF1.0 R WR means there are more options when it comes to making images in low-light conditions. At night, or in darkened interiors, XF50mmF1.0 R WR offers the widest apertures yet seen on an XF lens, allowing more light to be drawn in to make an image. XF50mmF1.0 R WR lens also easily achieves fast shutter speeds that freeze movement and keep ISO settings lower for detail-rich results. Alternatively, combine high ISO settings with the F1.0 aperture for incredible versatility and use in other low-light applications like astrophotography.

Precise Focus

To make the most of its super-shallow depth-of-field, focusing must be precise. As a result, XF50mmF1.0 has a focus ring that is eight times more accurate than any previous XF lens. This makes it possible to change the focus from the minimum focusing distance to infinity very precisely. For this, XF50mm F1.0 R WR uses 120° of rotation in its focusing ring to let users focus manually without error - and achieve accurate focus when using an X Series camera's Focus Peaking and Focus Assist modes. The 120° of rotation also makes autofocus movements notably precise and deliberate, while the lens's engineering is designed to minimise focus shift effects when making images.

Weather resistant

This lens is sealed in 11 locations to protect against moisture and dust, as well as being capable of use in temperatures down to -10°C