



TECH NOTE

Title: Key differences between the i-SPEED 3 series

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Keywords: i-SPEED TR, i-SPEED 3, i-SPEED FS, i-SPEED DF

The key differences between the i-SPEED 3 series are:

| Feature | i-SPEED TR | i-SPEED 3 | i-SPEED FS | i-SPEED DF |
|-----------------------------|--|---|---|---|
| Max fps | 10,000 fps | 150,000 fps | 1,000,000 fps | 150,000 fps |
| Minimum shutter time | 2.16us | 1us | 200ns | 1us |
| Video trigger | No | 3 areas | 3 areas | 3 areas |
| Economy modes | 9 Pre-set, 16:9 | 9 Pre-set, 16:9 and Manual | 9 Pre-set, 16:9 and Manual | 9 Pre-set, 16:9 and Manual |
| Manual set speed | No | Yes | Yes | Yes |
| Manual set shutter | No | Yes | Yes | Yes |
| Measurement on CDU | Distance/Speed Angle/Angular Velocity | Distance/Speed/Accel- eration Angle/Angular Velocity/Angular Acceleration | Distance/Speed/Accelerat- ion Angle/Angular Velocity/Angular Acceleration | Distance/Speed/Accelerat- ion Angle/Angular Velocity/Angular Acceleration |
| Alignment grid | No | Yes | Yes | Yes |
| Random snapshot mode | No | Yes | Yes | Yes |
| Internal battery | Optional | Included | Included | Included |
| Feature lead | Optional | Included | Included | Included |
| Picture edit | Brightness, contrast, W/B | Brightness, contrast, Invert, Colour, Sharp, Gamma, Gain, Dynamic range | Brightness, contrast, Invert, Colour, Sharp, Gamma, Gain, Dynamic range | Brightness, contrast, Invert, Colour, Sharp, Gamma, Gain, Dynamic range |
| IRIG B and timestamp | No | No | Yes | No |
| IRIG B sync | No | No | Yes | No |
| Start-up logo | No | Yes | Yes | Yes |
| Permanent text | No | Yes | Yes | Yes |
| User settings | 5 on camera | 5 on camera, unlimited on CF | 5 on camera, unlimited on CF | 5 on camera, unlimited on CF |
| PIV double pulse | No | No | No | Yes, controlled via SDK |
| SDK | Optional | Optional | Optional | Included |

Upgrades are available between camera models.