

Title:	Connecting a microphone to HikVision Cameras				
Date:	06/11/2014	Version:	1.0	Pages	2
Product:	PRO Series Special order IP cameras with Flying leads				
Action Required:	Information only				

The PRO Series Special order IP cameras have 17 flying leads. Those are used for alarm input/output, audio input/output and RS485 (**Figure 1**).

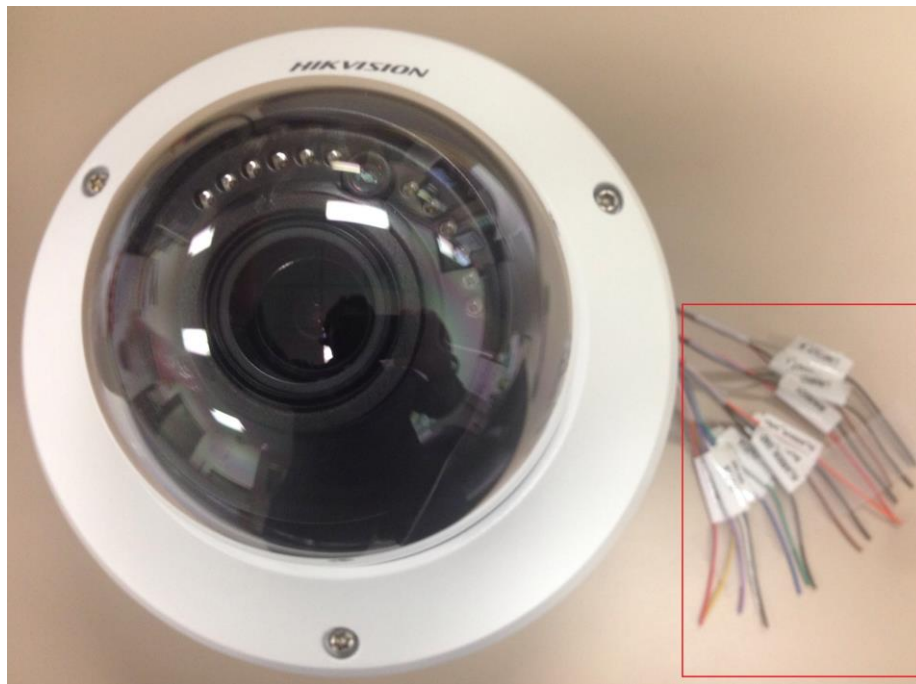


Figure 1

Even though the leads are labeled, sometimes it is unclear which wires need to be used together. **Table 1** shows the definition of each wire, as well as the wires that should be used together.

Color	Label	Definition	
Brown	ALARMINA	Alarm In #1	} Alarm input #1
Black	ALARMIN_GND	Alarm Ground	
Orange	ALARMINB	Alarm in #2	} Alarm input #2
Black	ALARMIN_GND	Alarm Ground	
Green	OUT1A	Alarm output contact	} Alarm output #1
Blue	OUT1B	Alarm output contact	
Purple	OUT2A	Alarm output contact	} Alarm output #2
White	OUT2B	Alarm output contact	
Black	GND	Ground	- Ground*

Table 1 (Continues on next page).

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Color	Label	Definition	
Black	LINEIN_GND	Microphone input ground	} Microphone Input**
Red	RIN/MIC+	Microphone input +	
Black	LIN/MIC-	Microphone input -	
Grey	LINEOUT_R	Right audio output	} Audio Output
Brown	LINEOUT_L	Left audio output	
Black	LINEOUT_GND	Audio output ground	
Yellow	RS485-	RS485+	} RS485
Red	RS485+	RS485-	

Table 1 (Resumed).

***Ground-** Ground is used only when there is a need to ground the alarm output circuit. The ground wire is connected to the camera’s metal base.

**** Microphone Input** – Depending on the type of the microphone (line level or mic level), the “Microphone input ground” might or might not be used (**please refer to the “TECHNICAL BULLETIN MICROPHONE CONNECTION” technical bulletin**).